

NAVSEA S5090-B1-MMO-010

STOWAGE AID BOOKLET FOR DAMAGE CONTROL EQUIPMENT



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**29 NOVEMBER 1991
CHANGE A 16 NOVEMBER 1992
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**CHANGE A
SUMMARY OF CHANGES
SECTION 4**

<u>PAGE</u>	<u>NAME</u>	<u>DESCRIPTION OF CHANGE</u>
4-11	Box Patch a Stowage Rack for Assemblies 1, 2 and 3	Replaced single rack with three racks
4-14	Casualty Power Cable Stowage Rack	New sketch with two options
4-45	Eductor, 1 ½" Vertical Stowage Rack	Revised sketch
4-47	Eductor, 2 ½" Peri-Jet Vertical Stowage Rack	Revised sketch
4-69	Fire Fighters' Helmet Stowage Rack Version 2	Revised sketch
4-109	P-250, MOD 2 Propane Cartridge Stowage	New sketch
4-119A	Portable Sub-Pump Stowage, Single Unit	New sketch
4-119B	Portable Sub-Pump Stowage, Double Unit	New sketch
4-127	Shoring Wooden, Stowage Rack, (4 pcs) with Shoring Batten Stowage	Revised sketch to provide stowage for shoring battens
4-128	Shoring Wooden, Stowage Rack, (9 pcs) with Shoring Batten Stowage	Revised sketch to provide stowage for shoring batten

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LIST OF EFFECTIVE PAGES

Dates of Original and Changes Pages are:

Original 0 29 November 1991

Change A 16 November 1992

Insert latest change pages; dispose of superseded pages.

NOTE: On a changed page, the portion of the text affected by the latest change is indicated by a vertical line in the outer margin of the page. Changes to sketches are indicated by miniature pointing hands.

Total number of pages in this publication is 208 consisting of the following:

Page No.	*Change No.	Page No.	*Change No.
Title and A	A	4-12 through 4-13	0
#Change Record	0	4-14	A
#Table of Contents	A	4-15 through 4-44	0
#Executive Summary	0	4-45	A
#1-0	0	4-46	0
1-1 through #1-7	0	4-47	A
#2-0	0	4-48 through 4-68	0
2-1 through #2-13	0	#4-69	A
#3-0	0	4-70 through 4-108	0
3-1 through 3-30	0	4-109	A
#4-0	0	4-110 through 4-119	0
4-1	A	4-119A through 4-119B	A
4-2	0	4-120 through 4-126	0
4-3 through 4-4	A	4-127 through 4-128	A
4-5 through 4-10	0	4-129 through 4-136	0
4-11	A	#Recommendation Suggestion Form . . .	0

#Pages are printed single-sided.

*Zero in this column indicates an original page.

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RECORD OF CHANGES

Change No.	Date of Change	Title or Brief Description	Entered By

TABLE OF CONTENTS

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	List of Effective Pages	i
	Record of Changes	ii
	Table of Contents	iii
	Executive Summary	iv
1.0	Background Information	1-0
2.0	Plan Layout Sketches of Damage Control Repair Stations (Including the Main Locker and Passages)	2-0
3.0	Plan Layout Sketches of Damage Control Kits by Function	3-0
4.0	Sketches of Stowage Devices, Brackets, Racks, Hooks and Lockers for Various Pieces of Damage Control Equipment	4-0

EXECUTIVE SUMMARY

The Naval Sea System Command prepared this Stowage Aid Booklet for Damage Control (DC) Equipment in response to an action item of the Chief of Naval Operations Damage Control/Fire Fighting Working Group (DC/FFWG). This document aids shipboard personnel in identifying possible layouts and stowage devices and provides a reference for information on DC equipment stowage. This stowage aid booklet also provides a valuable reference document for:

- Ship Design Managers and Ship Builders - To illustrate alternatives for stowage of damage control equipment.
- Ship Builders - To assist in the design and layout of new ships with examples of proper damage control stowages for equipment.
- Various NAVSEA Technical Codes - To provide a reference tool as guidance on DC equipment stowage alternatives.
- Training Commands - To identify and train personnel to effectively stow DC equipment.
- SIMA and Tender Activities - To provide a reference tool for guidance for work packages involving DC equipment stowage.

The information in this booklet is illustrated in four sections:

1. Provides background information of DC equipment stowage philosophy and the interrelationship within the supply system (i.e., Allowance Equipment List (AEL) and NSN).
2. Describes deck plan layouts of DC Repair Stations including the Unit Locker and Passages.
3. Illustrates acceptable passageway stowages of DC equipment with sketches which are organized by DC functions such as fire fighting, dewatering, and desmoking.
4. Provides examples of stowage devices, brackets, racks, hooks, and lockers that are currently used fleetwide for DC equipment.

This booklet will be updated via change pages as new stowage devices are developed and to reflect new equipment and equipment improvements. Recommendations are welcome and encouraged and will be presented annually to the DC/FF Working Group.

Please forward comments or suggestions to: Commander, Naval Sea Systems Command, Department of the Navy, Washington, D.C. 20362; Code SEA 55X22 Commercial (703) 602-7217, Autovon 332-1217.

Section 1

**BACKGROUND INFORMATION
ON THE NEW DAMAGE CONTROL
STOWAGE PHILOSOPHY**

BACKGROUND

This Stowage Aid Booklet provides recommended DC equipment stowage information and includes options that should be considered for particular ship configurations.

Shipboard fires, smoke, and flooding, can threaten crew safety and the ultimate survival of the ship. Damage control (DC) tactics, training, equipment, and stowage are the tools used to combat these threats of shipboard damage.

Distribution of equipment is an important element of DC to improve reaction time, reduce injury to personnel, and increase survivability of the ship.

Lessons learned from past casualties and DC scenarios have led to improvements and additions to repair party equipment. However, proper distribution and stowage of DC equipment has not received the attention it deserved.

Today, there is a renewed emphasis on how and where to stow DC equipment to improve the response time of repair teams and thus reduce potential loss of life and ship damage. Recent shipboard casualties on USS PRINCETON (CG 59), USS TRIPOLI (LPH 10), USS CONYNGHAM (DDG 17), and USS DEYO (DD 989) have proven that when the command disperses equipment and personnel within the repair station's area of responsibility, improved reaction time, and survivability are achieved.

The elements of the DC equipment stowage philosophy are as follows:

1. The DC deck is designed as the primary staging area for DC repair parties. The damage control organization disperses equipment within the repair station's area or zone of responsibility by the equipment's function, which are: fire fighting, desmoking, and dewatering. Functionally, grouped and stowed equipment provides immediate access so that repair teams can respond quickly and positively to a casualty.
2. Equipment currently crammed inside the repair locker, such as fire extinguishers, casualty power cables, general quarters gear, oxygen breathing apparatus, portable fans, and canisters, should be relocated to the passageways in a functionally organized and logical manner.
3. Large DC equipment should be located in the passageway with its functional group near power and exhaust sources.
4. Teams and equipment are dispersed port and starboard, fore and aft, and above and below deck (Refer to section 2, sketch 001). This allows flexibility, survivability, and improved response by repair party personnel to combat the casualties as soon as they are reported.

5. Providing adjustable shelving to repair station stowage bins will improve space available for new equipment.
6. Utilization of "dead areas" of the ship for stowage shelving and brackets such as, shell area in passages or the area behind doors and hatches.
7. Utilization of stowage devices that are flexible enough to accommodate equipment improvements and changes.

Implementation of the Concepts within this booklet will:

1. Decrease the possibility of a single weapon hit destroying an entire repair party organization.
2. Minimize the amount of initial confusion since equipment is already strategically dispersed.
3. Eliminate the bottleneck of personnel at the repair locker compartment entrance when general quarters is sounded.
4. Improve the equipment setup and response times of repair party teams combating casualties.
5. Limit the extent of damage to a ship.

Damage control in the Navy is exceptional. But with personnel and material at risk, we must continuously seek improvement and eliminate all potential hazards. Our training is outstanding and our equipment is first rate. The stowage features presented herein will distribute DC equipment most effectively throughout the ship, and repair party personnel will be able to respond more quickly to casualties and ships will be safer and more survivable.

Additional resources of describing DC/fire fighting equipment and information are:

1. "Surface Ship Survivability," Naval Warfare Publication 62-1.
2. Practical Damage Control NSTM Chapter 079, volume II.
3. Fire Fighting - Ship NSTM Chapter 555.
4. Personnel Protection Equipment NSTM 077.
5. Training Aid Booklet for Damage Control Equipment.
6. Safety and Survivability "Video," The Value of Proper Damage Control Equipment Stowage

7. Gas Free Engineering NSTM Chapter 074, volume 3.
8. Damage Control Allowance Equipage List (AELs) June 1990, 2-880044200 through 2-880044288 series.

NAVSEA's approach to achieving this goal is:

1. The Navy revised and standardized the DC Allowance Equipage Lists (AELs) for Fleet use. The June 1990 update reorganized the D.C. AELs by the number of repair stations, the "Parent AELs," and then subdivided them into Kits, or "Kit AELs," organized by the equipment function. The AELs are being implemented fleetwide to improve damage control configuration.

2. "Surface Ship Survivability," Naval Warfare Publication 62-1, revision C, invoked the requirement for distributive stowage of DC Kits throughout the repair station. This means stowing equipment by function in passageways or other suitable location within the repair station's zone of responsibility.

This spreading out of equipment will expedite effective reaction time to a specific or combination of DC/fire fighting casualties. Thus, DC teams no longer congregate in one area.

This approach further increases the chance to control damage, limit personnel casualties and improve ship survivability.

3. The Navy has published the "Training Aid Booklet for Damage Control Equipment." This publication clearly describes each piece of equipment required in the DC inventory by illustrations, stock numbers, and uses.

4. Photoluminescent paint has been successfully used to identify equipment and egress routes during Damage Control and fire fighting operations.

The Navy is continually striving to improve DC capabilities through conferences, such as the Surface Warfare Commanders Maintenance Conferences, CNO Damage Control/Fire Fighting Working Group, and the Damage Control/Fire Fighting Flag Level Steering Committee.

Improvements are not limited only to better equipment. One example is the recent development of a new software package, Damage Control Asset Management Software (or DCAMS). This was developed primarily to provide shipboard DC personnel with an automated means of tracking the location and status of portable and consumable DC equipment. A secondary purpose for this software is to allow shipboard and shore based personnel the opportunity to evaluate proposed changes in stowage locations for DC equipment and to ensure rapid and effective reaction to emergency conditions.

The Surface Warfare Officers' School Damage Control Training Department completed a mockup of a DC repair station and passageways. The mockup illustrates distributive stowage to new damage control assistants, chief engineers, and prospective commanding officers.

Also, the display ship EX-USS BARRY (DD 933) at the Washington Navy Yard has a DC repair station mockup that design teams of new ship construction can study.

The Navy tests and fine-tunes tactics for effective use of new DC equipment onboard Ex-USS SHADWELL (LSD 15) in Mobile, Alabama.

CONCEPT OF DISTRIBUTIVE STOWAGE

1. Improve Repair Party Response Time

- a. Disburse priority equipment from within the repair locker into surrounding area to prevent bottlenecks and confusion.
- b. Disburse the following functional areas:
 - (1) Fire Fighting Dressout
 - (2) Dewatering
 - (3) Desmoking
 - (4) Fire Fighting Extinguishers
 - (5) Shoring
 - (6) Casualty Power
 - (7) General Quarters Gear

2. Increase Survivability

Disbursal of equipment diminishes consequences from loss of repair locker to damage.

FUNCTIONAL AREAS COMPOSITION

1. Fire Fighting Dressout

- a. Fire Fighting Ensemble (six per station)
 - (1) Fire Fighter's coveralls
 - (2) Fire Fighter's boots
 - (3) Fire Fighter's gloves
 - (4) Flash Gear
 - (5) MK II Helmets
 - (6) Fire Fighter's Helmet Lights
- b. OBAs (six Min)
- c. OBA Canisters (36 Min)

2. Dewatering

- a. P-250 Pump
- b. Two or more Submersible Pumps
- c. Peri-Jet and S-Type Eductors
- d. Associated Fire, Suction, and Exhaust Hoses

3. **Desmoking**
 - a. Two Red Devil Blowers and/or Water-driven Blowers
 - b. Two 8-in Expandable Vent Ducts and/or 10-in Expandable Vent Ducts
 - c. One Tube Axial Fan
 - d. Three Smoke Curtains
 - e. Two OBAs (Min)
 - f. Twelve OBA Canisters (Min)
4. **Fire Fighting Extinguishers**
 - a. Two CO₂ Extinguishers
 - b. One PKP Extinguisher
5. **Shoring**
 - a. Steel Shoring
 - b. Wooden Shoring
 - c. Wedges
 - d. Patches, Box
6. **Casualty Power**

Cables and Racks
7. **General Quarters Gear (Repair Party Personnel)**
 - a. Gas Mask
 - b. Life Jacket with Antiflash Hood and Gloves

STOWAGE AID BOOKLET FOR DAMAGE CONTROL EQUIPMENT

GENERAL NOTES

1. All dimensions are in inches unless otherwise noted.
2. All stowage installations shall be as level as possible and parallel to the baseline of the ship unless noted otherwise.
3. All sharp or ragged edges shall be ground or sanded smooth to prevent damage to equipment and injury to personnel.
4. Each installation is unique. Detailed drawings shall be drawn and equipment templates developed and checked for fit on paper prior to fabrication of stowage equipment or modification of spaces.
5. For painting and deck covering, see ships painting schedule.
6. Material lists are provided as necessary.
7. Stowage arrangement dimensions may vary according to the geometry of spaces available.

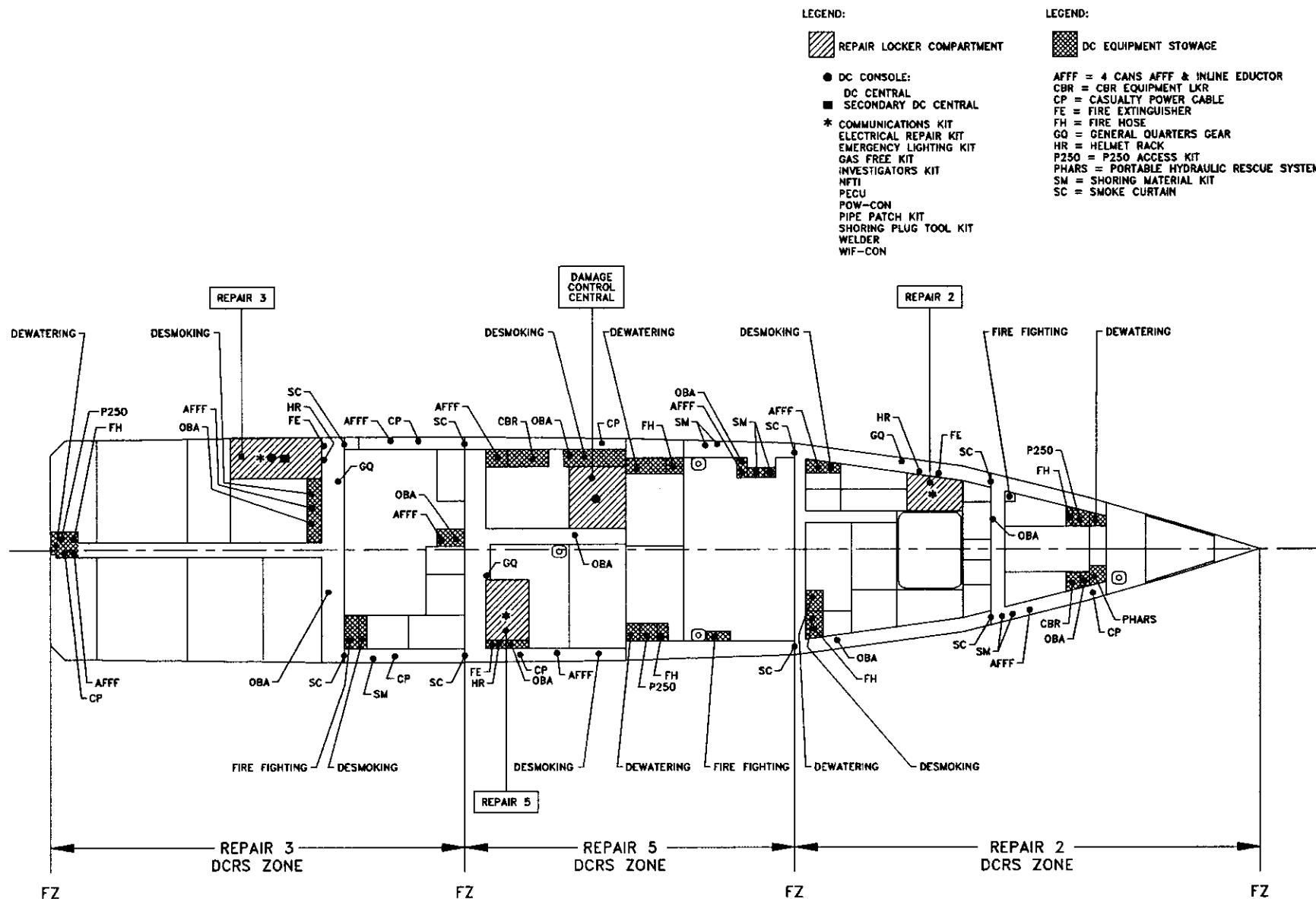
Section 2

PLAN LAYOUT SAMPLE SKETCHES

- Whole Ship Damage Control Deck
- Repair Locker/DCRS
- Unit Locker
- Passage Stowage

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCHES

SECTION 2 SKETCH NO.	TITLE OF SKETCH
001	Typical Damage Control Repair Station (DC Deck Layout)
002	Typical Damage Control Repair Station (Plan View) Version 1
002	Typical Damage Control Repair Station (Plan View) Version 2
002	Typical Damage Control Repair Station (Plan View) Version 3
002	Typical Damage Control Repair Station (Plan View) Version 4
002	Typical Damage Control Repair Station (Plan View) Version 5
003	Typical Damage Control Unit Locker
004	Typical DCRS Passage Stowage



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 001
TYPICAL DAMAGE CONTROL REPAIR STATION
(DC DECK LAYOUT)

**TYPICAL THREE (3) DAMAGE CONTROL REPAIR STATION (DCRS)
SHIP CONFIGURATION**

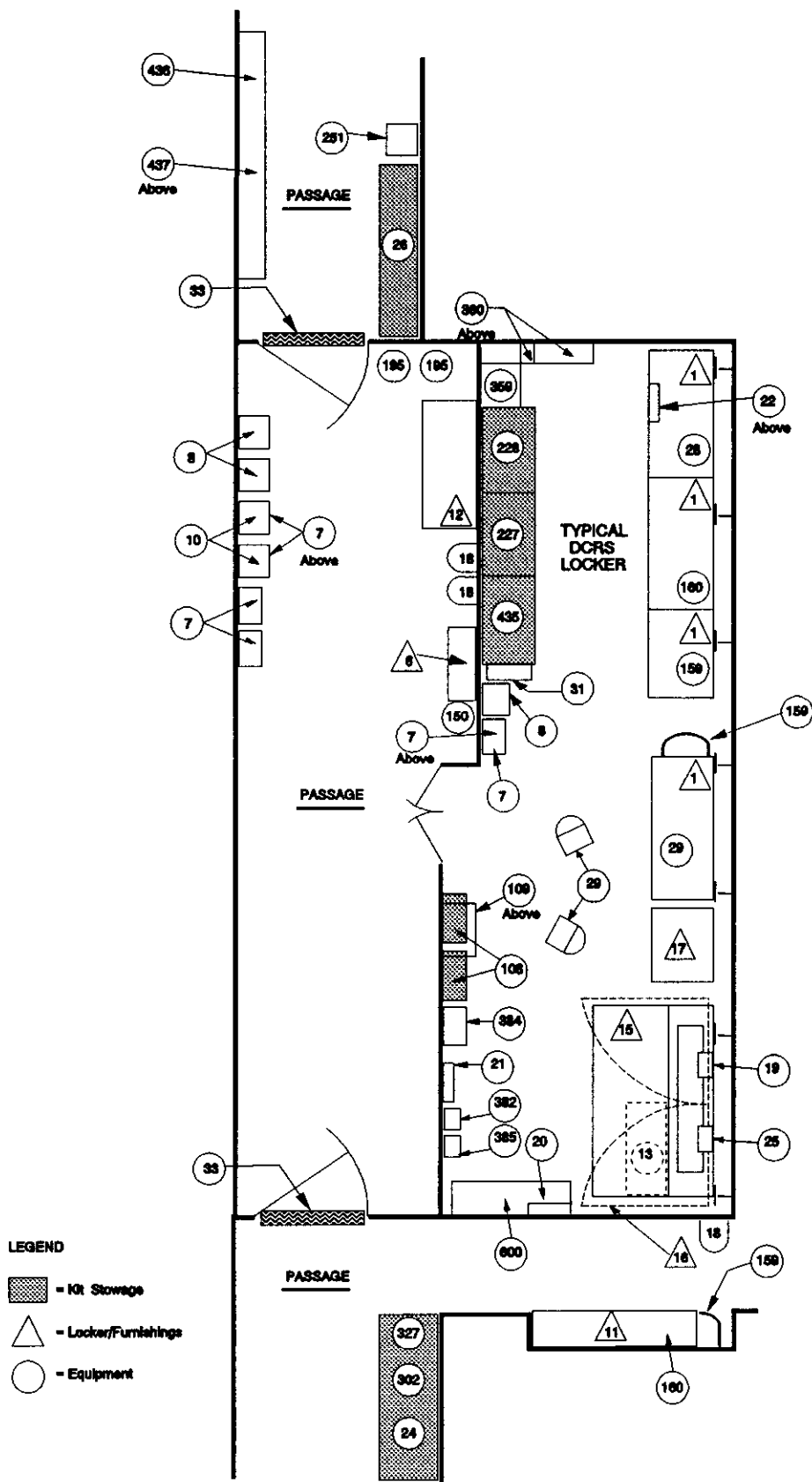
LIST OF MATERIAL/EQUIPMENT				
Location No.	Typical No. Req'd Per Space	Description	Dwg or Spec No.	Remarks
1	4	Type "A" Bin	804-4563098	Size: (36"W x 54"H x 24"D) Repair 2, 3 & 5 and DCEL
2	3	Type "B" Bin	804-4563098	Size: (24"W x 60"H x 24"D) Repair 2, 3 & 5 and DCEL
3	1	Bins		Repair 2, 3 & 5 and DCEL
4	4	Cabinet, Housing with Bins Over		Repair 2, 3 & 5 and DCEL
5	1	Gas Free Equipment Locker	DC Stowage Sketch Version 1, 4-47 Version 2, 4-48	Repair 2, 3 & 5 only Passage
6	1	General Quarters Gear	DC Stowage Sketch Nos. 49, 50 or 51	DC Sketch No. 050 Holds 20 Sets each, Life Jackets, Gas Mask, Anti Flash Gear in Passage (DC Sketch No. 049, 051 Holds 8 Sets)
7	4	OBA Rack	DC Stowage Sketch Nos. 4-70 or 4-71	1 OBA, Anti Flash Gear, FF Helmet Passageway, 2 only inside DCEL
8	3	OBA Canister Stowage Rack	DC Stowage Sketch Nos. 4-67 or 4-68	3 Permanent, 36 Canisters, Passage
9	1	Portable Hydraulic Rescue System (PHARS)	DC Stowage Sketch No. 4-79 (Stowage Brackets)	DC Sketch No (3-26, 3-27-3-28-3-29) 1 Per ship
10	2	OBA Canister Stowage Rack	DC Stowage Sketch Nos. 4-67 or 4-68	2 Portable, 6 Canisters, Passage
11	1	Locker, OBA, FFBA, PPE Stowage	DC Stowage Sketch No. 4-77 Version 2	(Personnel Protection) 6 OBAs Repair 2, 3 & 5 only
12	1	Locker, OBA, FFBA, PPE Stowage	DC Stowage Sketch No. 4-78 Version 2	(Personnel Protection) 4 OBAs, 2 cases of canisters (Reserve) Repair 2, 3 & 5 only

LIST OF MATERIAL/EQUIPMENT				
Location No.	Typical No. Req'd Per Space	Description	Dwg or Spec No.	Remarks
13	1	DC WIF-COM		Repair 2, 3 & 5 only (under table #15)
14	6	OBA Stowage Locker, Single Unit	DC Stowage Sketch No. 4-69	Repair 2, DCC 3 & 5 only Passage
15	1	Table, Damage Control	805-0921930	Repair 2, 3 & 5 only
16	1	Unit, Hinged Leaf with Fluorescent Light		Repair 2, 3 & 5 only
17	1	Locker, Tall	MIL-F-243	18"W x 12"D x 7'-2"H and DCEL Repair 2, 3 & 5 only
18	2	Rack, Fire Fighters' Helmet Stowage	DC Stowage Sketch) 4-42, 4-43, 4-44	Repair 2, 3 & 5 only, 1 inside DCEL
19	1	Clock, 24 Hour	MIL-C-1194	Repair 2, 3 & 5 only
20	1	Clinometer, Heel	MIL-C-20061	Repair 2 only or Secondary DCC
21	1	Clinometer, Trim	MIL-C-2261	Repair 2 only or Secondary DCC
22	1	Ladder, Scaling	DC Stowage Sketch Nos. 4-62 or 4-63	Repair 2, 3 & 5 and DCEL
23	2	Lantern, Hand, w/Relay		Repair 2, 3 & 5 only Damage Control Eqpt Locker (one lantern only)
24	1	Dewatering Kit	DC Stowage Sketch Nos. 4-21 through 4-26	Repair 2, 3 & 5 only, Divided in Passage Port/STBD DC Sketch Nos. 3-17 through 3-24
25	1	Firemain Pressure Gage		Repair 2, 3 & 5 only
26	1	Desmoking Kit	DC Stowage Sketch Nos. 4-27 through 4-34	Repair 2, 3 & 5 only, Divided in Passage Port/STBD DC Sketch Nos. 3-11 through 3-16
27	3	Fire Hose Stowage	DC Stowage Sketch Nos. 4-46, 4-53 through 4-61	Repair 2, 3 & 5 and DCEL
28	1	CBR Equipment Locker	DC Stowage Sketch No. 007	Repair 2, 3 & 5 only Passage
29	1	Radiac Equipment		Repair 2, 3 & 5 only
30	1	Hydraulic Jack		Repair 2, 3 & 5 only

LIST OF MATERIAL/EQUIPMENT				
Location No.	Typical No. Req'd Per Space	Description	Dwg or Spec No.	Remarks
31	2	Emergency Comms Reels		Repair 2, 3 & 5 and DCEL
33	3	Smoke Curtains	DC Stowage Sketch Nos. 4-90, 4-91, 4-92	Repair 2, 3 & 5 and DCEL Passage. Pre-hung above W.T. door or on each side
108	2	Investigator/Tender Kit		Repair 2, 3 & 5 only
109	1	Navy Fire Fighters Terminal Hanger (NFTI)	DC Stowage Sketch No. 4-65	Repair 2, 3 & 5 and DCEL
150	1	Extinguisher, Fire, Chemical	MIL-E-24091	Passageway except DCEL
158	6	Fire Fighters' Ensemble	DC Stowage Sketch Nos. 4-39 4-40, 4-41	6 sets stowed in passage except 4 in DCEL, DC Sketch Nos. 3-39 through 3-41
159	24	Fire Retardant Coveralls		24 sets stowed inside DCRS, 12 in DCEL
160	18	Fire Fighters' Boots	DC Stowage Sketch Nos. 34, 35, 36 Rack	Repair 2, 3 & 5, (6 in DCEL)
195	2	Extinguisher, Fire, Carbon Dioxide	MIL-E-24269	Repair 2, 3 & 5 Passage, inside DC Equipment Locker
227	1	Pipe Patching Kit		Repair 2, 3 & 5 and DCEL
228	1	Plugging Kit		Repair 2, 3 & 5 and DCEL
251	1	Cable, Assy, Casualty Power	DC Stowage Sketch No. 08	Repair 2, 3 & 5 only in Passage
302	2	Strainer, Suction, Firehose		Repair 2, 3 & 5 Passage, inside DCEL
327	2	Pump, Centrifugal, Submersible Portable	MIL-D-17454 DC Stowage Sketch No. 81	Repair 2, 3 & 5 Passage, inside DCEL
332	3	Rope, Nylon DBL BRD/	MIL-R-17343	Repair 2, 3 & 5 only (2" x 50' Length)
359	1	Welding Machine, Stowage Rack	DC Stowage Sketch No. 97	Repair 2 & 3 only
360	1	Port Exothermic Cutting Unit (PECU)	DC Stowage Sketch Nos. 4-74 & 4-75	Repair 2, 3 & 5 only Rod Stowage/Rack Foundation
384	1	Chain Hoist		Repair 2, 3 & 5 only

LIST OF MATERIAL/EQUIPMENT				
Location No.	Typical No. Req'd Per Space	Description	Dwg or Spec No.	Remarks
385	1	Block and Fall Assy		Repair 2, 3 & 5 only
435	1	Shoring & Plugging Tool Kit		Repair 2, 3 & 5 and DCEL
436	1	Shoring Rack, Wood	DC Stowage Sketch Nos. 88 & 89 Horizontal	Repair 2, 3 & 5 only, Passageway
437	1	Shoring Rack, Metal	DC Stowage Sketch Nos. 4-83 through 4-87	Repair 2, 3 & 5 only Vertical/Horizontal Stowage Racks
600	1	Control Console		Repair 2 only or Secondary DCC
<p style="text-align: center;">DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #</p> <p style="text-align: center;">DAMAGE CONTROL REPAIR STATION (DCRS) DAMAGE CONTROL EQUIPMENT LOCKER (DCEL)</p>				




- NOTES:**
1. The sketches in Section 2, illustrate options for distributive stowage within the DCRS and the DCRS (Locker) and zone of responsibility (passages).
 2. The Damage Control Equipment Locker (DCEL) topside reentry is also illustrated.
 3. Shock requirements must be complied with.
 4. The sketches (plan layouts) are intended as general guidance to provide options for defining distributive stowage.

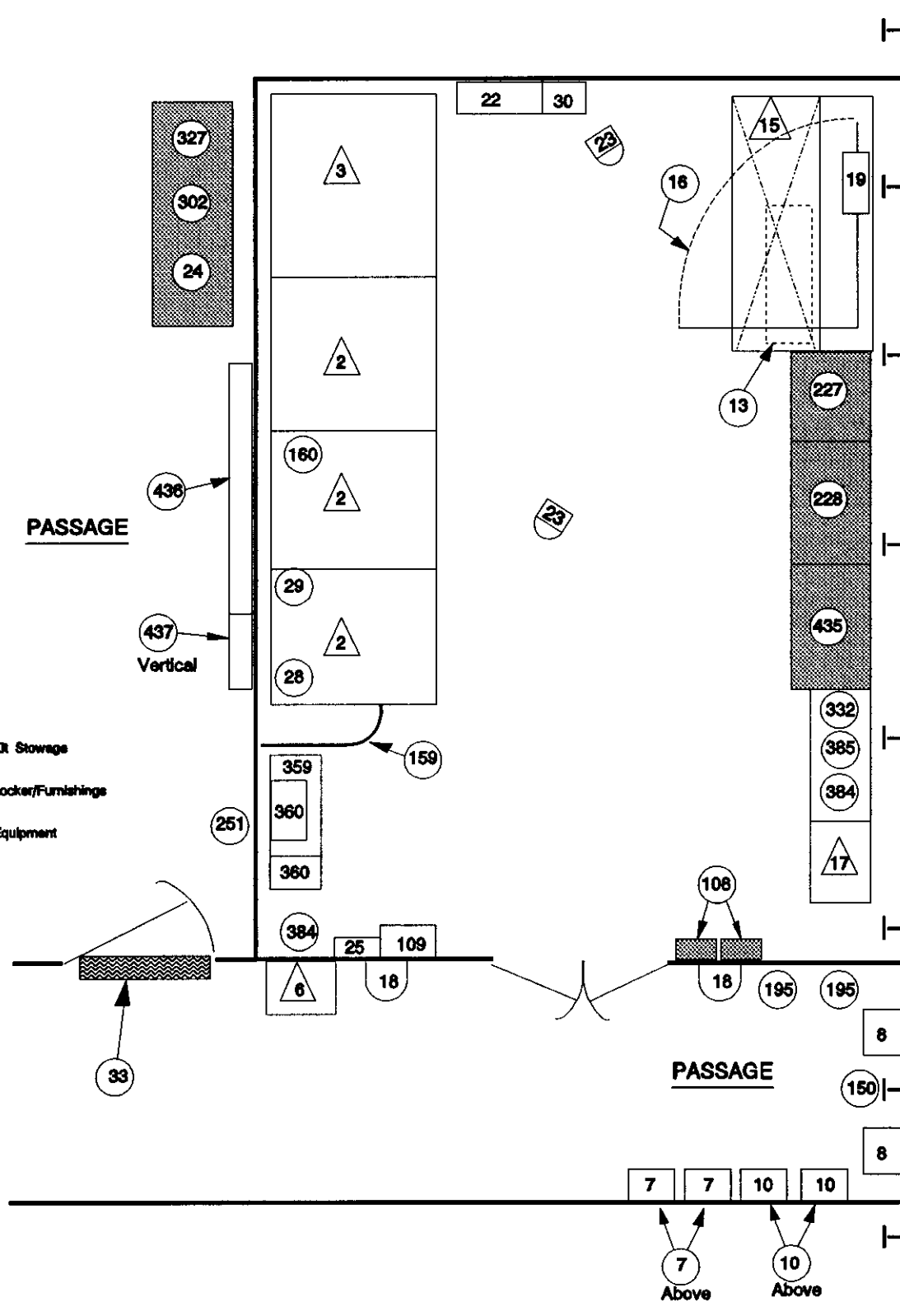


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #002 **TYPICAL DAMAGE CONTROL REPAIR STATION (PLAN VIEW)**

Version 1

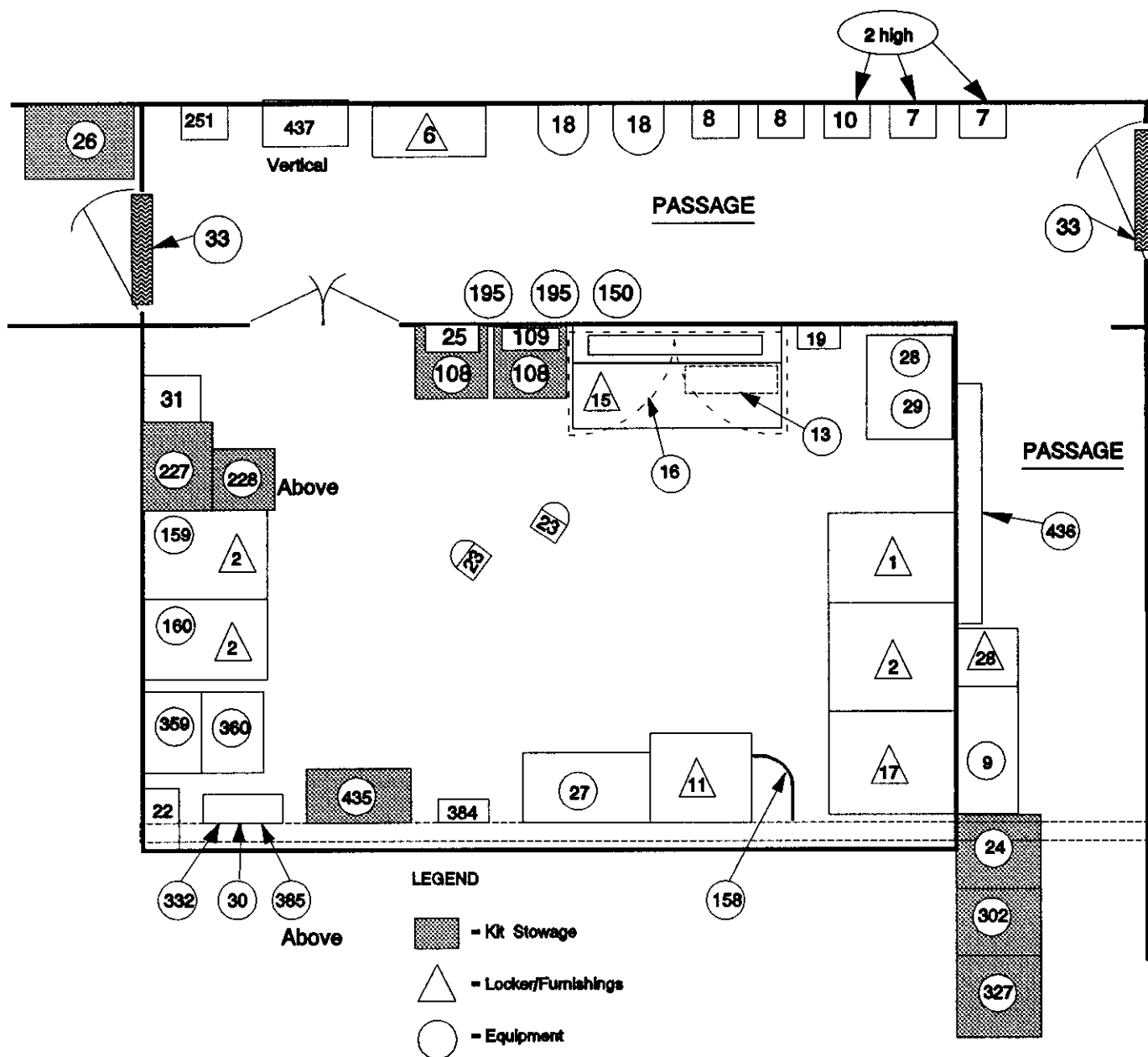
LEGEND

-  - Kit Stowage
-  - Locker/Furnishings
-  - Equipment



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #002 **TYPICAL DAMAGE CONTROL REPAIR STATION (PLAN VIEW)**

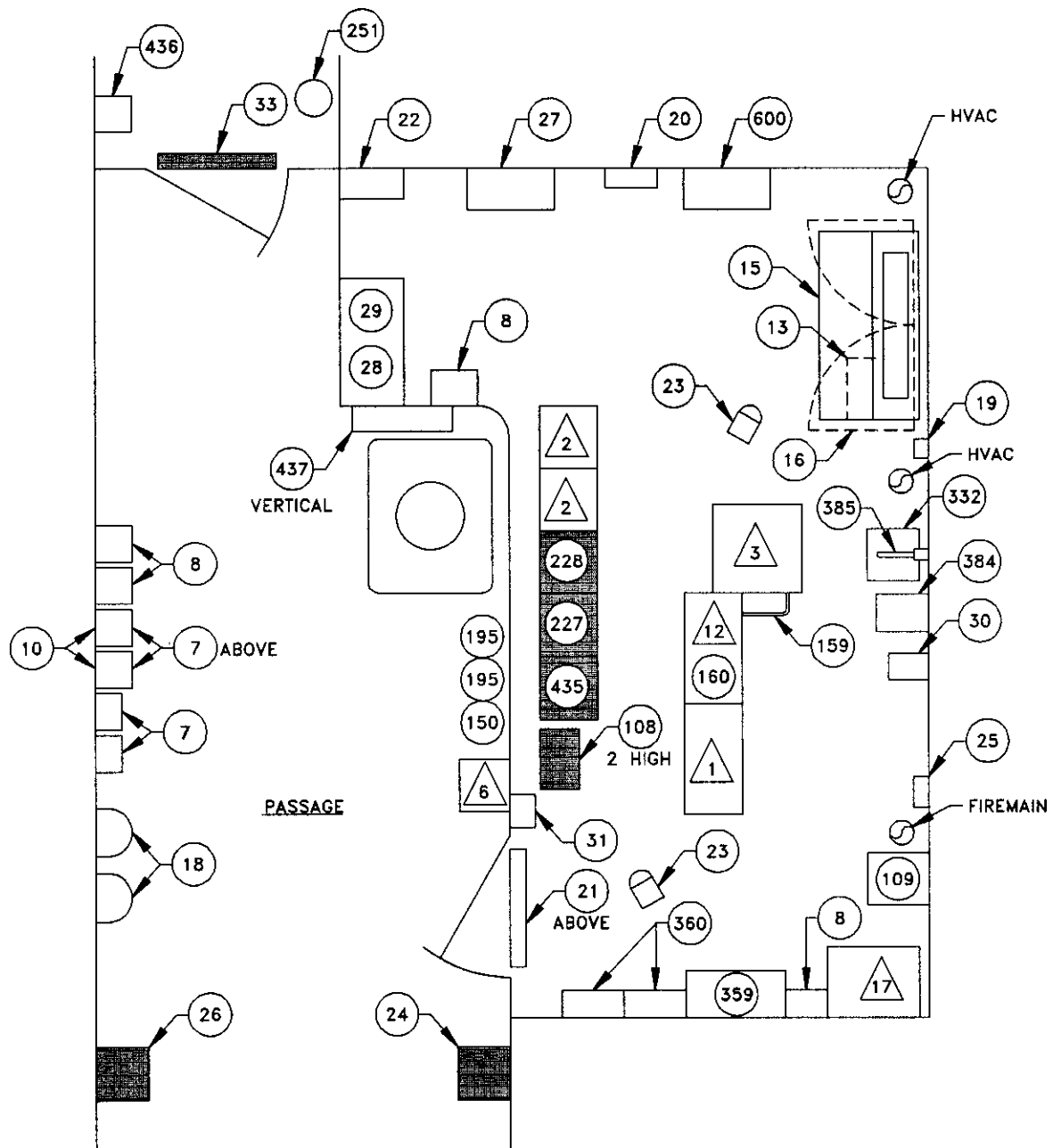
Version 3



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #002

TYPICAL DAMAGE CONTROL REPAIR STATION (PLAN VIEW)

Version 4






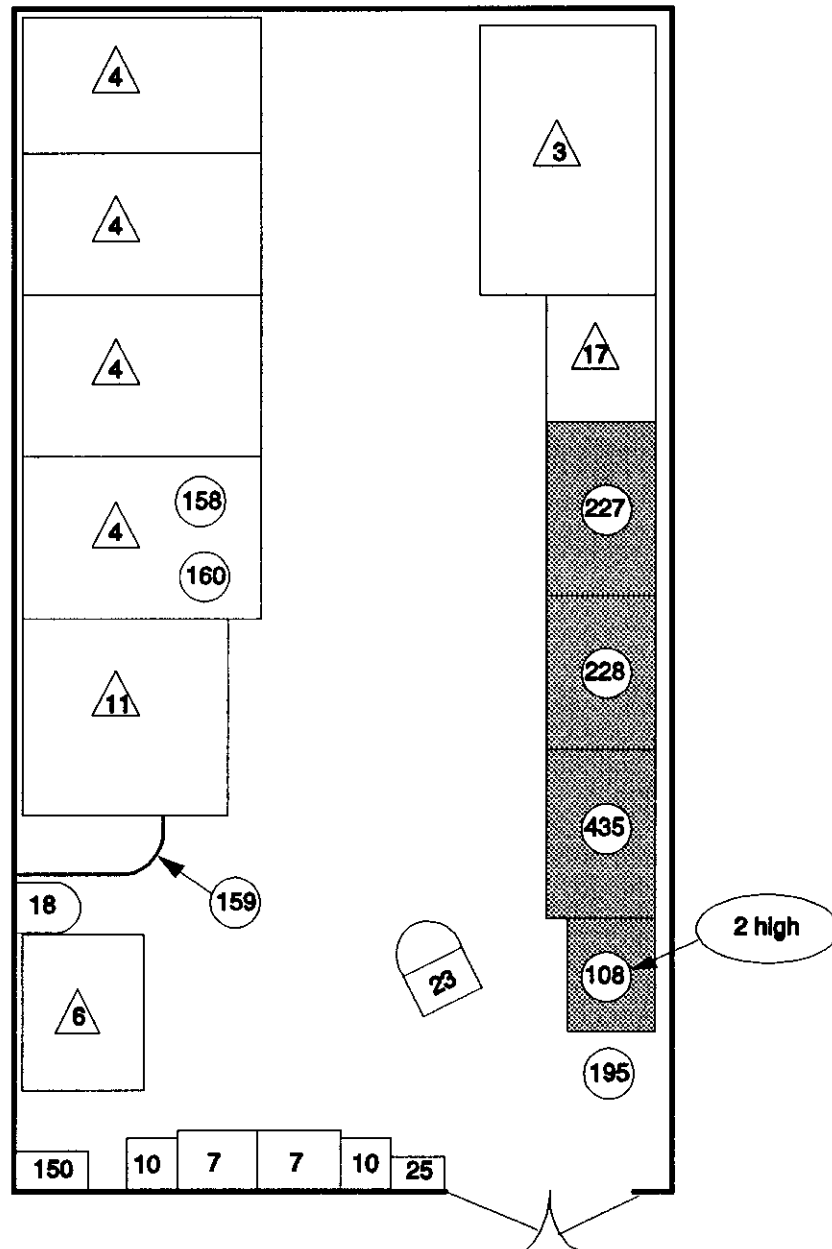
LEGEND:

-  KIT STOWAGE
-  LOCKER/FURNISHINGS
-  EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 002
TYPICAL DAMAGE CONTROL REPAIR STATION (DCRS)
SECONDARY DCC, VERSION 5

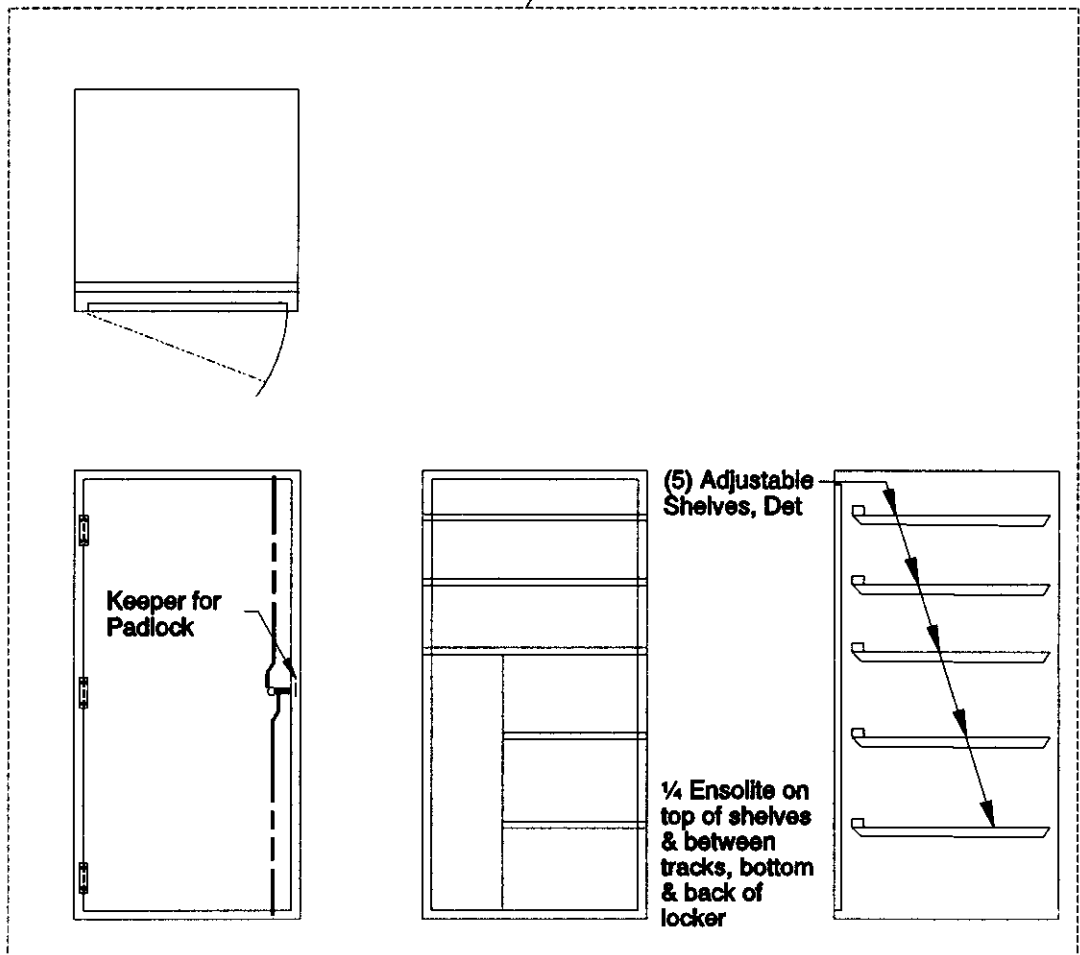
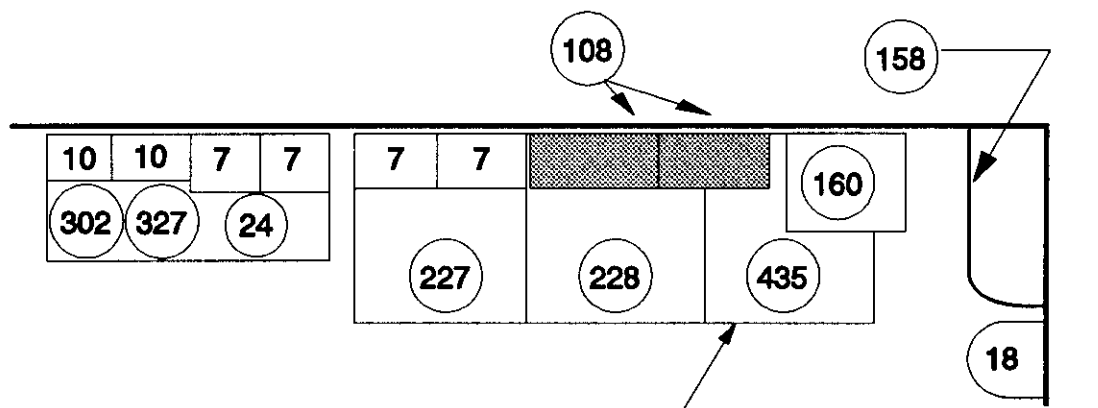
LEGEND

-  - Kit Stowage
-  - Locker/Furnishings
-  - Equipment



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #003
TYPICAL DAMAGE CONTROL REPAIR STATION (PLAN VIEW)

Unit Locker



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #004

TYPICAL DAMAGE CONTROL REPAIR STATION (PLAN VIEW)

Passage Stowage

Section 3

PLAN LAYOUT SAMPLE SKETCHES OF DAMAGE CONTROL KITS BY FUNCTION

- Fire Fighting Dressout
- Desmoking
- Dewatering
- Personnel Protection Equipment Stowage Bag
- Portable Hydraulic Access and Rescue System (PHARS)

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCHES

SECTION 3 SKETCH NO.	TITLE OF SKETCH
001	Fire Fighter Dress Out Area Plan #1A
002	Fire Fighter Dress Out Area Plan #1B
003	Fire Fighter Dress Out Area Plan #1C
004	Fire Fighter Dress Out Area Plan #1D
005	Fire Fighter Dress Out Area Plan #1E
006	Fire Fighter Dress Out Area Plan #1F
007	Fire Fighter Dress Out Area Plan #1G
008	Fire Fighter Dress Out Area Plan #1H
009	Fire Fighter Dress Out Area Plan #1I
010	Desmoking Equipment Plan #2A
011	Desmoking Equipment Plan #2B
012	Desmoking Equipment Plan #2C
013	Desmoking Equipment Plan #2D
014	Desmoking Equipment Plan #2E
015	Desmoking Equipment Plan #2F
016	Desmoking Equipment Plan #2G
017	Dewatering Equipment Plan P-250 Pump and Accessories Plan #3A
018	Dewatering Equipment Plan P-250 Pump and Accessories Plan #3B
019	Dewatering Equipment Plan P-250 Pump and Accessories Plan #3C
020	Dewatering Equipment Plan #3D
021	Dewatering Equipment Plan #3E
022	Dewatering Equipment Plan #3F
023	Dewatering Equipment Plan #3G
024	Dewatering Equipment Plan #3H
025	Personnel Protection Equipment Stowage Bag
026	Portable Hydraulic Access and Rescue System (PHARS) Plan #1
027	Portable Hydraulic Access and Rescue System (PHARS) Plan #2
028	Portable Hydraulic Access and Rescue System (PHARS) Plan #3
029	Portable Hydraulic Access and Rescue System (PHARS) Plan #3A

(a) 1 PERSONNEL LOCKER, 27" x 21" x 74"

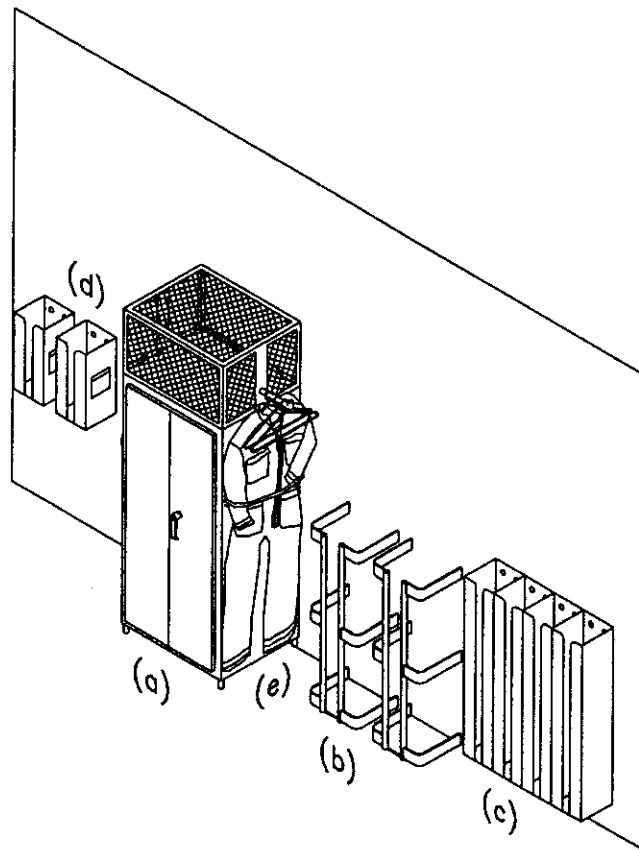
1 BAG, FIREMANS
6 PAIRS BOOTS (SEL SIZE)
6 PAIRS COVERALL (SEL SIZE)
6 OBA CANISTERS (READY SERVICE)
6 PAIRS GLOVES

(b) 2 HELMET RACK, 16" x 13" x 48" (10 PCS)

(c) 4 CANISTER RACK, 8" x 8-1/8" x 42" (36 EACH)

(d) 2 OBA CANISTER, PORTABLE PACK (DC 0004)

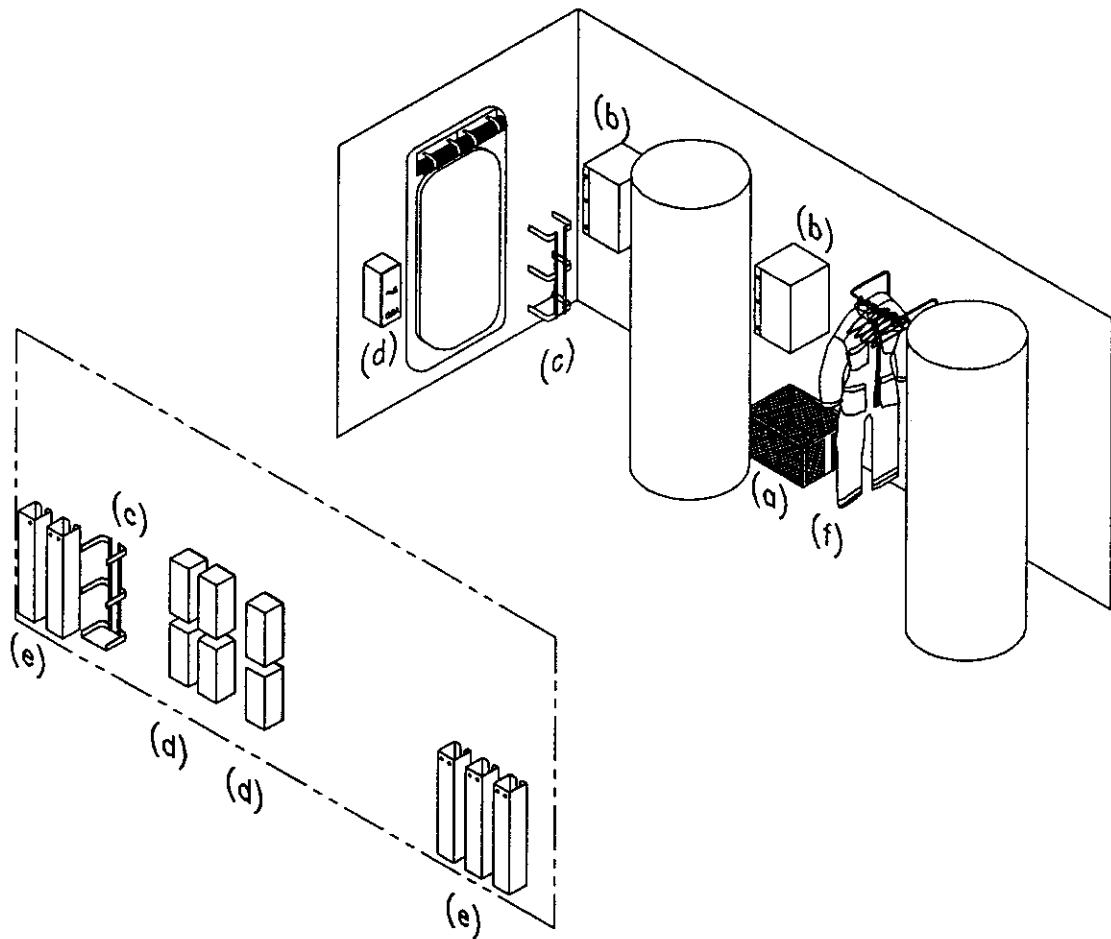
(e) 6 FF COVERALL (ENSEMBLE) (3 HUNG ON EACH SIDE OF LOCKER)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 001

FIREFIGHTER DRESS OUT AREA PLAN # 1A

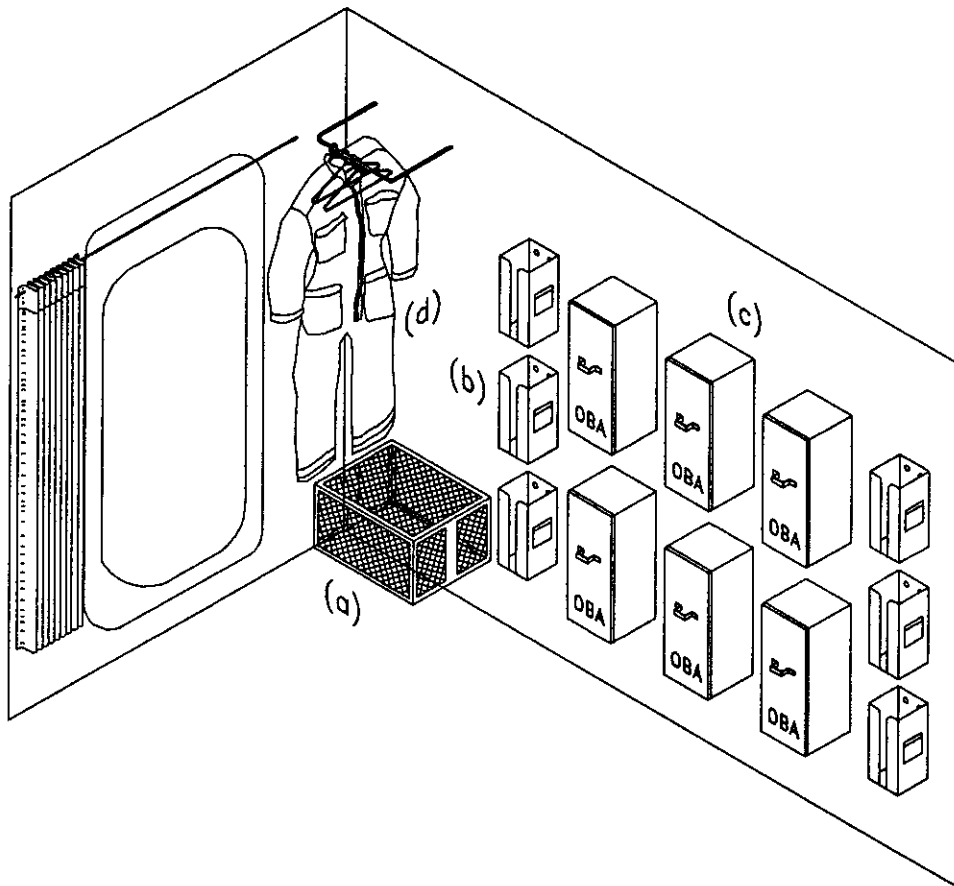
- (a) BOOTS LOCKER
- (b) ABT
- (c) HELMET RACK, 16" x 13" x 48" (10 PCS)
- (d) OBA LOCKER
- (e) OBA CANISTER, PORTABLE PACK (6 CANISTER)
- (f) 6 ENSEMBLES



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 002

FIREFIGHTER DRESS OUT AREA PLAN #1B

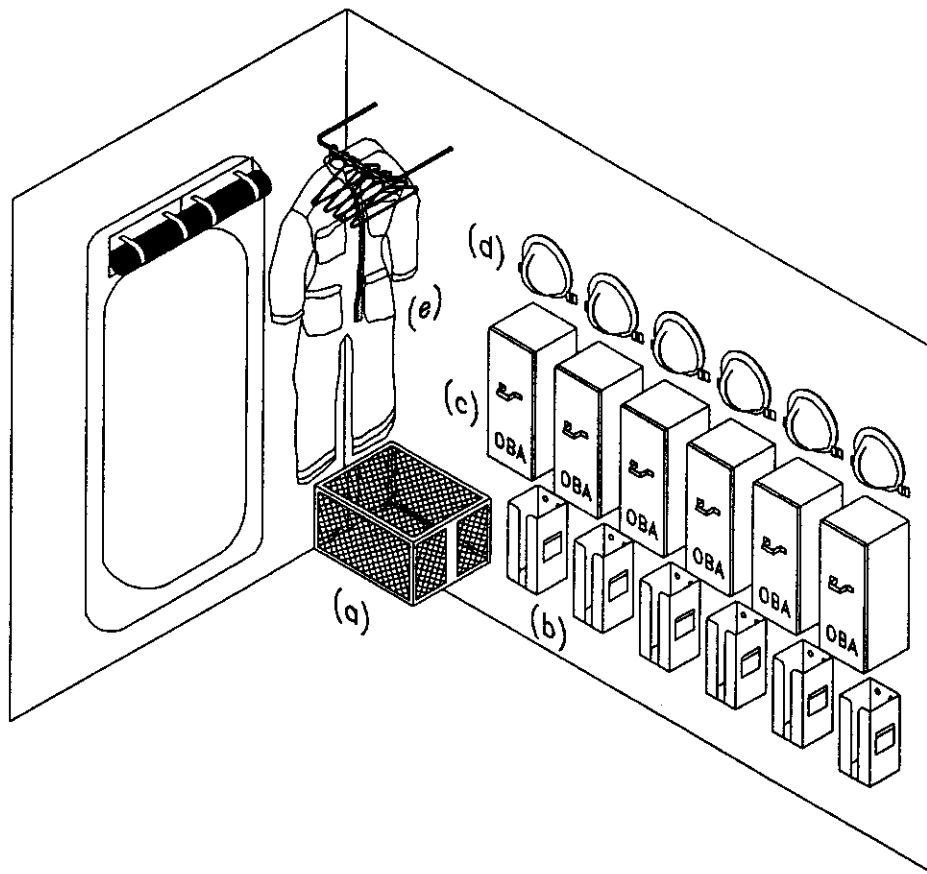
- (a) 1 BOOTS LOCKER
- (b) 6 CANISTER RACKS, (6 PACK)
- (c) 6 OBA LOCKER
- (d) 3 ENSEMBLES



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 003

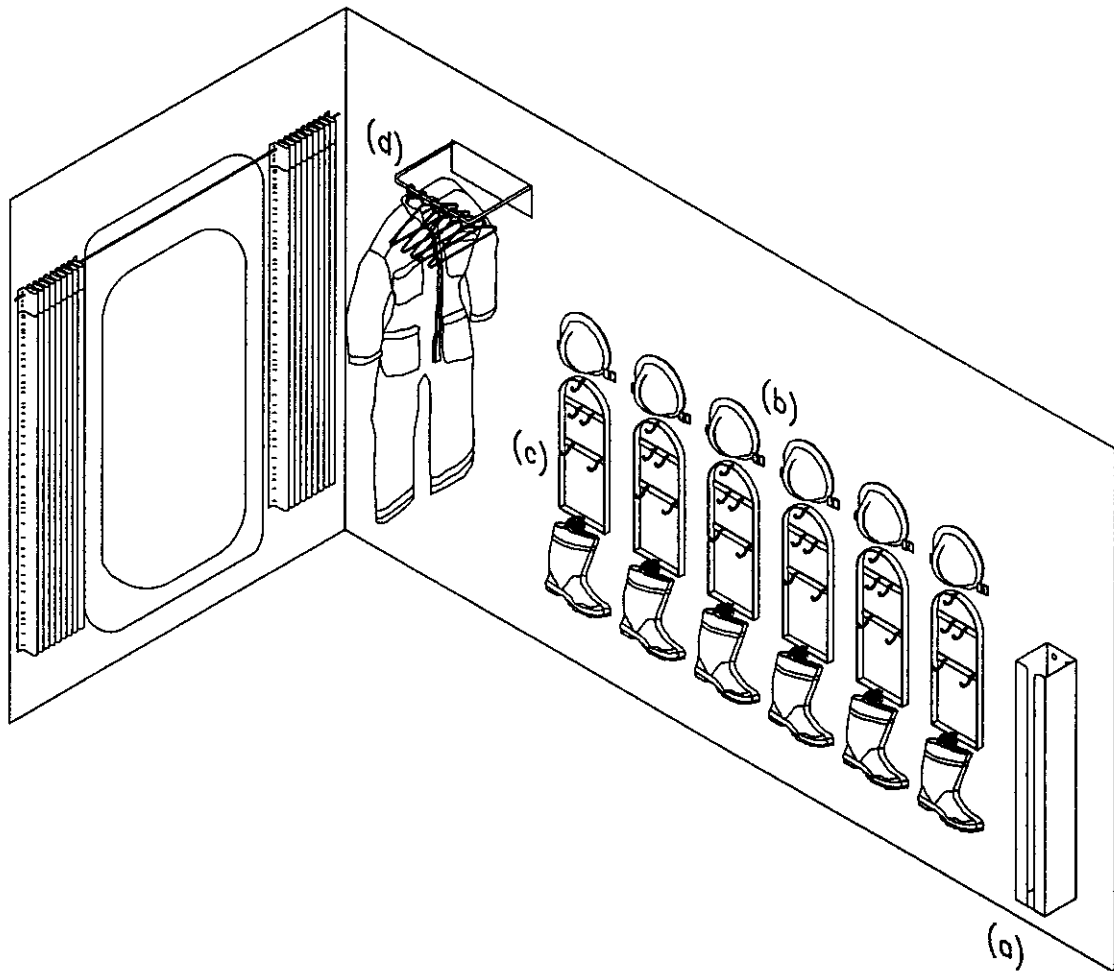
FIREFIGHTER DRESS OUT AREA PLAN #1C

- (a) 1 BOOTS LOCKER
- (b) 6 CANISTER RACKS, (6 PACK)
- (c) 6 OBA LOCKER
- (d) 6 HELMETS
- (e) 6 ENSEMBLES



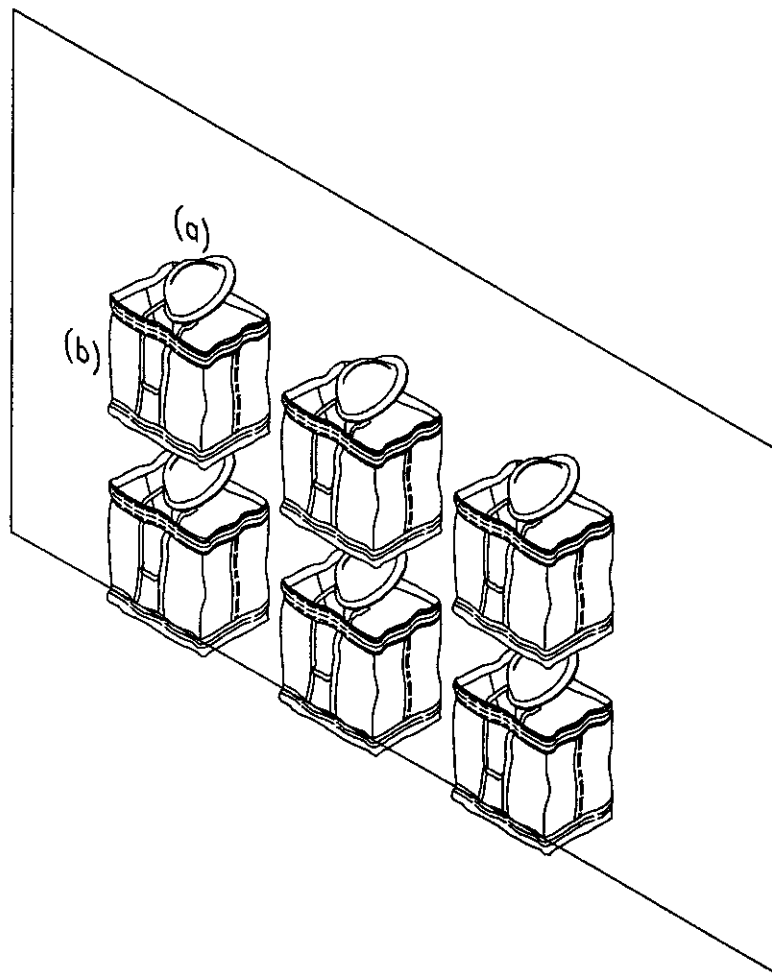
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 004
FIREFIGHTER DRESS OUT AREA PLAN #1D

- (a) 1 CANISTER RACK, 8" x 8-1/8" x 42" (36 EACH)
- (b) 6 HELMET
- (c) 6 OBA RACKS WITH BOOTS
- (d) 6 ENSEMBLES



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 005
FIREFIGHTER DRESS OUT AREA PLAN #1E

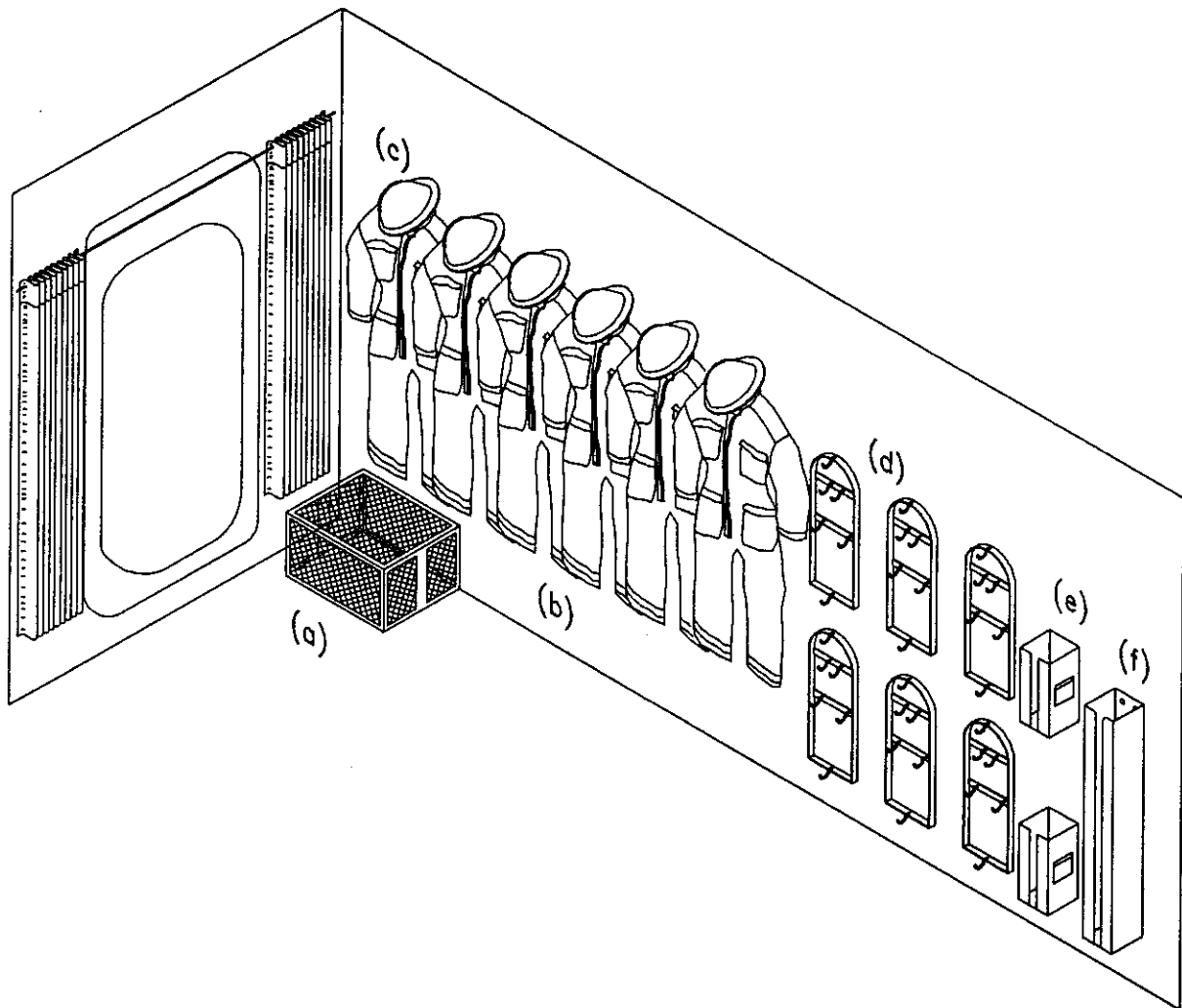
- (a) 6 HELMET
- (b) 6 FIREMAN'S BAG
- 6 PAIRS BOOTS
- 6 PAIRS GLOVES
- 6 OBA
- 6 FF COVERALL



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 006

FIREFIGHTER DRESS OUT AREA #1F

- (a) 1 BOOTS LOCKER (6 PAIRS)
- (b) 6 ENSEMBLES (SEL SIZE)
- (c) 6 HELMETS
- (d) 6 OBA RACK
- (e) 2 CANISTER RACKS (6 PACK) (DC 0004)
- (f) 1 CANISTER RACK, 8" x 8-1/8" x 42" (36 CANS)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 007

FIREFIGHTER DRESS OUT AREA PLAN #1G

(a) 1 PERSONNEL LOCKER, 27" x 21" x 74"

1 BAG, FIREMANS
6 PAIRS BOOTS (SEL SIZE)
6 PAIRS COVERALL (SEL SIZE)
6 OBA CANISTERS (READY SERVICE)
6 PAIRS GLOVES

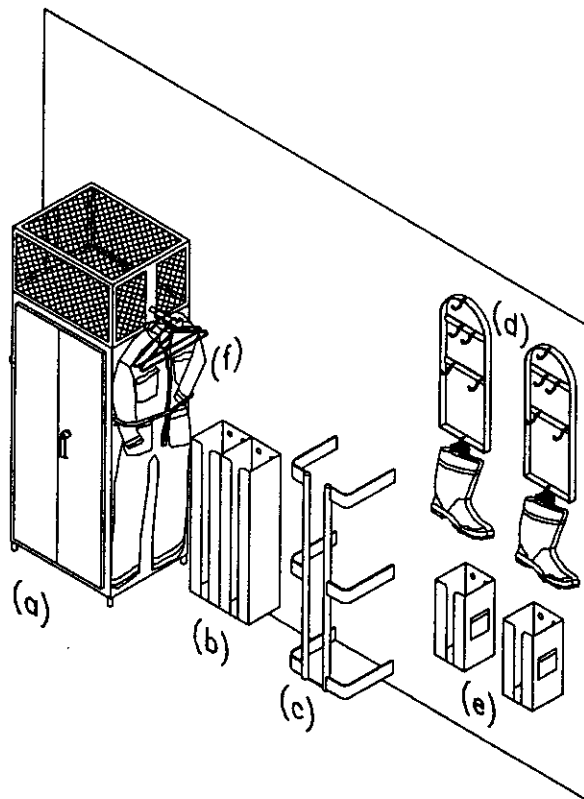
(b) 2 CANISTER RACK, 8" x 8-1/8" x 36" (36 EACH)

(c) 1 HELMET RACK, 16" x 13" x 48" (10 PCS)

(d) 2 OBA RACKS ("INVESTIGATOR")

(e) 2 OBA CANISTER, PORTABLE PACK (DC 0004)

(f) 6 ENSEMBLES (3 HUNG ON EACH SIDE OF LOCKER)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 008

FIREFIGHTER DRESS OUT AREA PLAN #1H

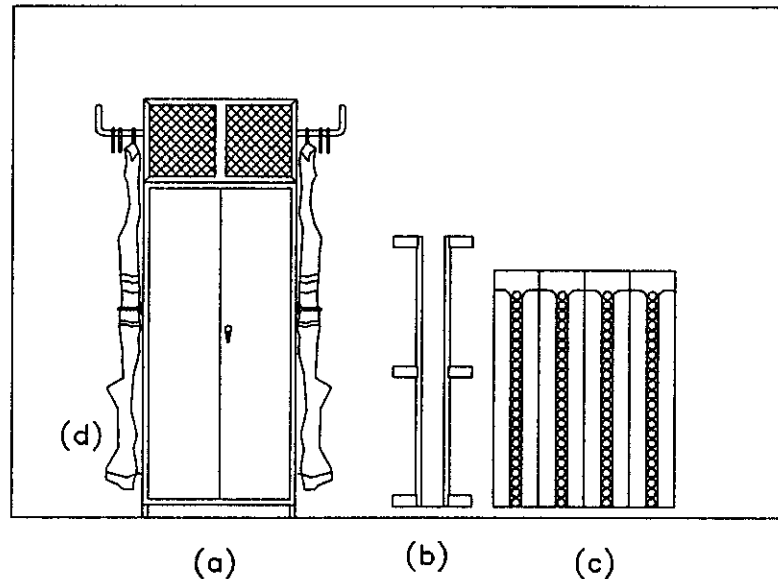
(a) 1 PERSONNEL LOCKER, 27" x 21" x 74"

1 BAG, FIREMANS
6 PAIRS BOOTS (SEL SIZE)
6 PAIRS COVERALL (SEL SIZE)
6 OBA CANISTERS (READY SERVICE)
6 PAIRS GLOVES

(b) 2 HELMET RACK, 16" x 13" x 48" (10 PCS)

(c) 4 CANISTER RACK, 8" x 8-1/8" x 42" (36 EACH)

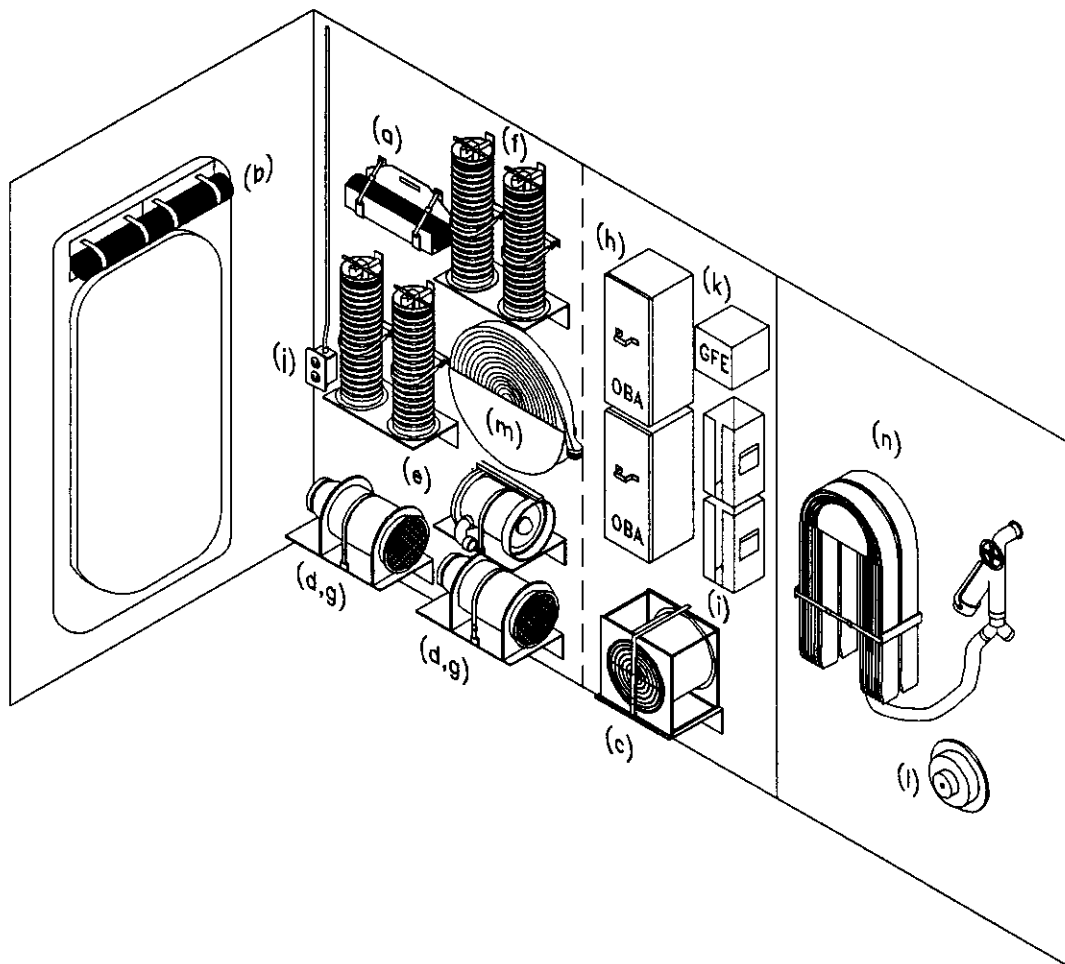
(d) 6 FF COVERALL (ENSEMBLE) (3 HUNG ON EACH SIDE OF LOCKER)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 009

FIREFIGHTER DRESS OUT AREA PLAN #11

- (a) 1 RACK - SMOKE CURTAIN
- (b) 2 SMOKE CURTAINS PRE-HANG
- (c) 1 FAN TUBEAXIAL 5200 CPFM
- (d) 2 FAN VANEAXIAL (RED DEVIL)
- (e) 1 RAM FAN, WATER DRIVEN
- (f) 4 HOSE AIRDUCT
- (g) 2 CABLE ASSEMBLY 25 Ft (STOWED, 1 EACH RED DEVIL)
- (h) 2 OBA LOCKERS
- (i) 2 CANISTER RACKS (6 PACK)
- (j) 1 ELECTRICAL CONNECTION OUTLET
- (k) 1 GAS FREE ENGINEERS EQUIPMENT STOWAGE
- (l) 1 OVERBOARD DISCHARGE
- (m) 1 HOSE ASSEMBLY, 1-1/2" x 50'
- (n) 2 HOSE ASSEMBLY, 2-1/2" x 1-1/2"



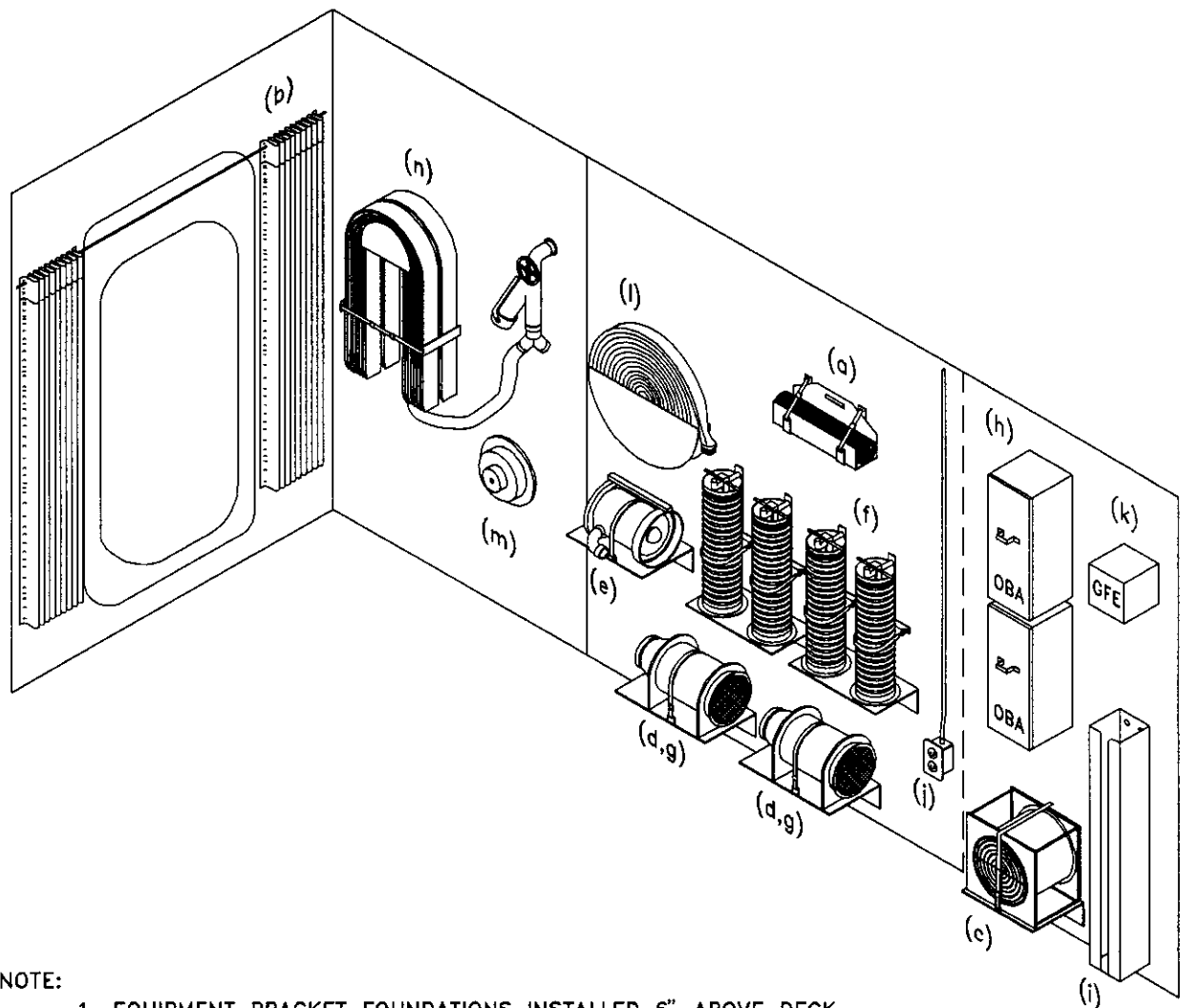
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 72"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 010

DESMOKING EQUIPMENT PLAN #2A

- (a) 1 RACK - SMOKE CURTAIN
- (b) 2 SMOKE CURTAINS PRE-HANG
- (c) 1 FAN TUBEAXIAL 5200 CPFM
- (d) 2 FAN VANEAXIAL (RED DEVIL)
- (e) 1 RAM FAN, WATER DRIVEN
- (f) 4 HOSE AIRDUCT
- (g) 2 CABLE ASSEMBLY 25 Ft (STOWED, 1 EACH RED DEVIL)
- (h) 2 OBA LOCKERS
- (i) 1 CANISTER RACK
- (j) 1 ELECTRICAL CONNECTION OUTLET
- (k) 1 GAS FREE ENGINEERS EQUIPMENT STOWAGE
- (l) 1 HOSE ASSEMBLY, 1-1/2" x 50'
- (m) 1 OVERBOARD DISCHARGE
- (n) 2 HOSE ASSEMBLY, 2-1/2" x 50'



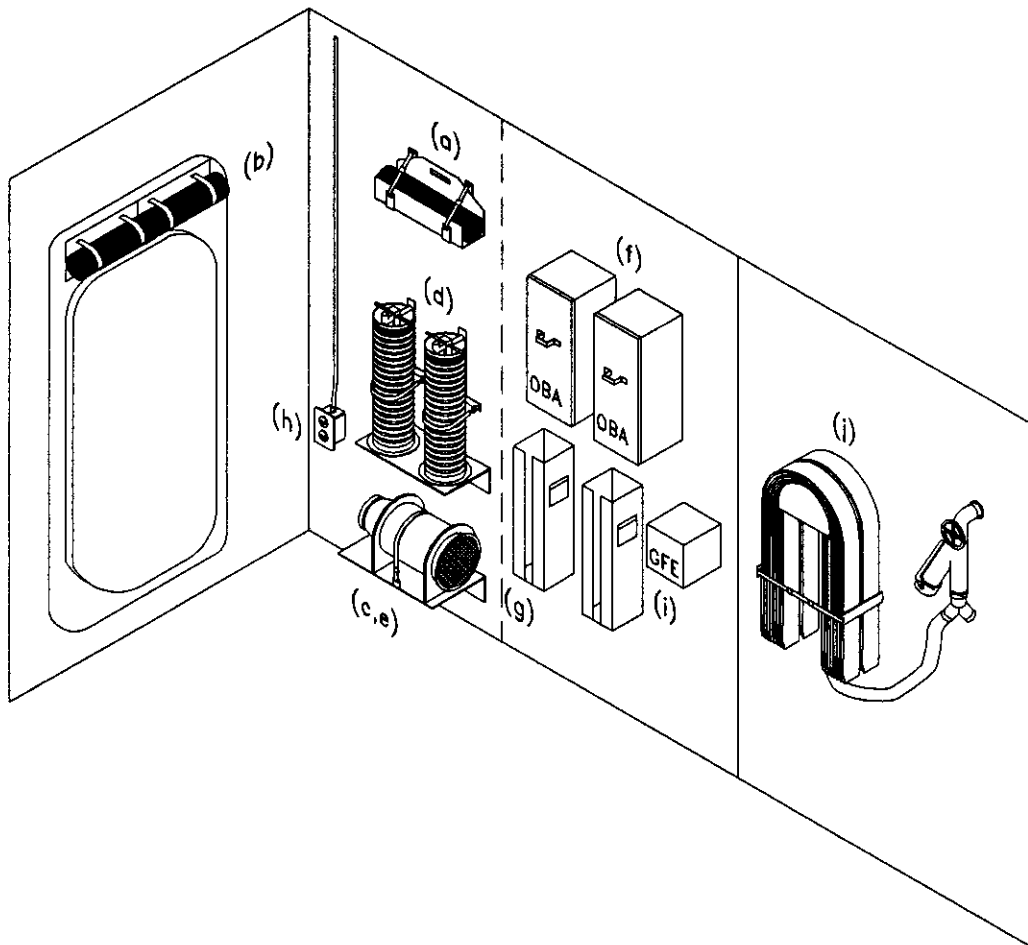
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 72"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 011

DESMOKING EQUIPMENT PLAN #2B

- (a) 1 RACK - SMOKE CURTAIN
- (b) 2 SMOKE CURTAINS PRE-HANG
- (c) 1 FAN VANEAXIAL (RED DEVIL)
- (d) 2 HOSE AIRDUCT
- (e) 1 CABLE ASSEMBLY 25 Ft (STOWED, 1 EACH RED DEVIL)
- (f) 2 OBA LOCKERS
- (g) 2 CANISTER RACKS (6 PACK)
- (h) 1 ELECTRICAL CONNECTION OUTLET
- (i) 1 GAS FREE ENGINEERS EQUIPMENT STOWAGE
- (j) 2 HOSE ASSEMBLY, 2-1/2" x 50'



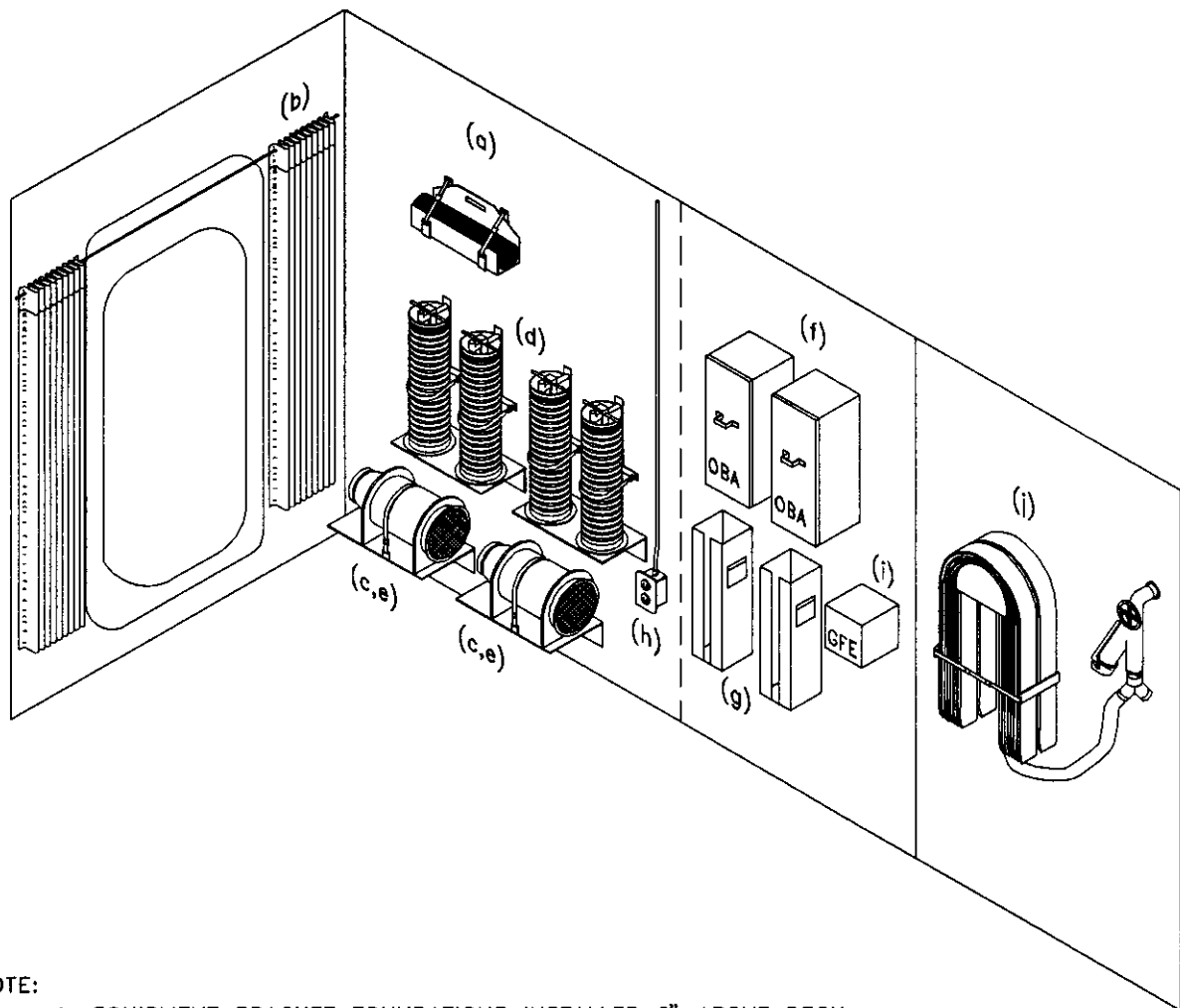
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 60"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 012

DESMOKING EQUIPMENT PLAN #2C

- (a) 1 RACK - SMOKE CURTAIN
- (b) 2 SMOKE CURTAINS PRE-HANG
- (c) 2 FAN VANEAXIAL (RED DEVIL)
- (d) 4 HOSE AIRDUCT
- (e) 1 CABLE ASSEMBLY 25 Ft (STOWED ON RED DEVIL)
- (f) 2 OBA LOCKERS
- (g) 2 CANISTER RACKS (6 PACK)
- (h) 1 ELECTRICAL CONNECTION OUTLET
- (i) 1 GAS FREE ENGINEERS EQUIPMENT STOWAGE
- (j) 2 HOSE ASSEMBLY, 2-1/2" x 50'



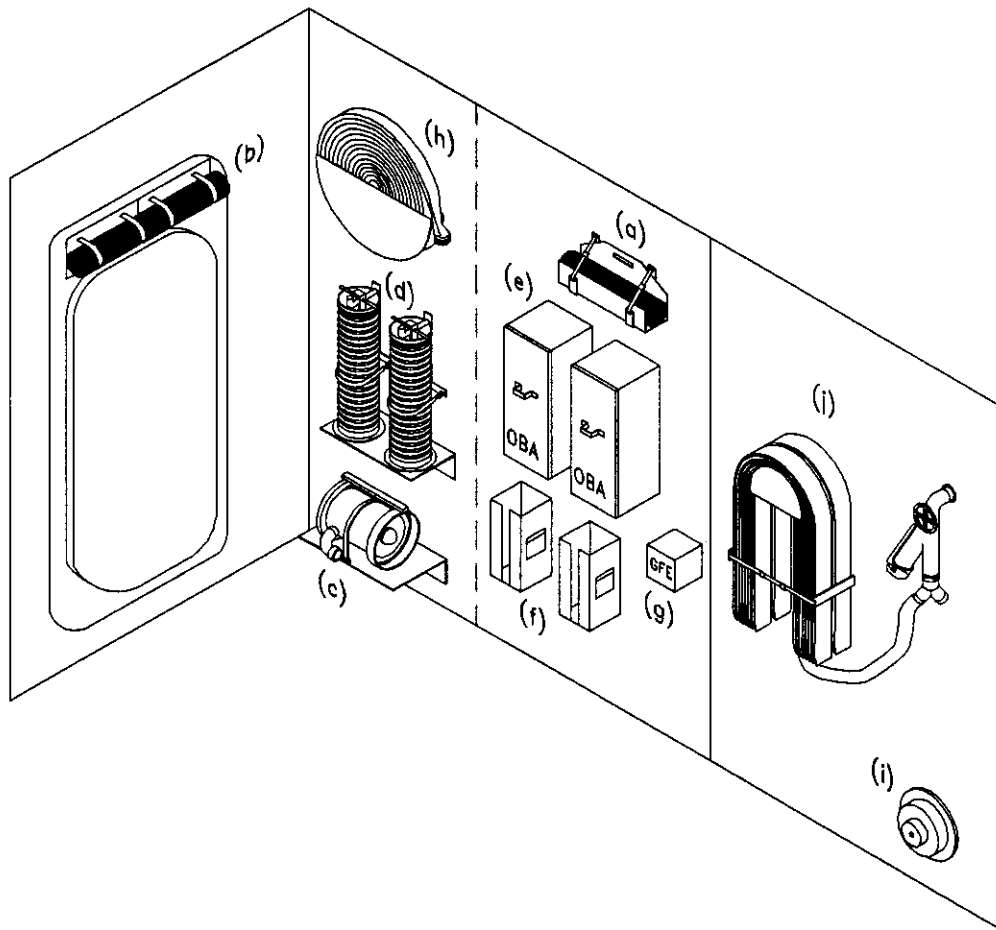
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 60"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 013

DESMOKING EQUIPMENT PLAN #2D

- (a) 1 RACK - SMOKE CURTAIN
- (b) 2 SMOKE CURTAINS PRE-HANG
- (c) 1 RAM FAN - WATER DRIVEN
- (d) 2 HOSE AIRDUCT
- (e) 2 OBA LOCKERS
- (f) 2 CANISTER RACKS (6 PACK)
- (g) 1 GAS FREE ENGINEERS STOWAGE
- (h) 2 HOSE ASSEMBLY, 1-1/2" x 50'
- (i) 1 OVERBOARD DISCHARGE
- (j) 2 HOSE ASSEMBLY, 2-1/2" x 50'



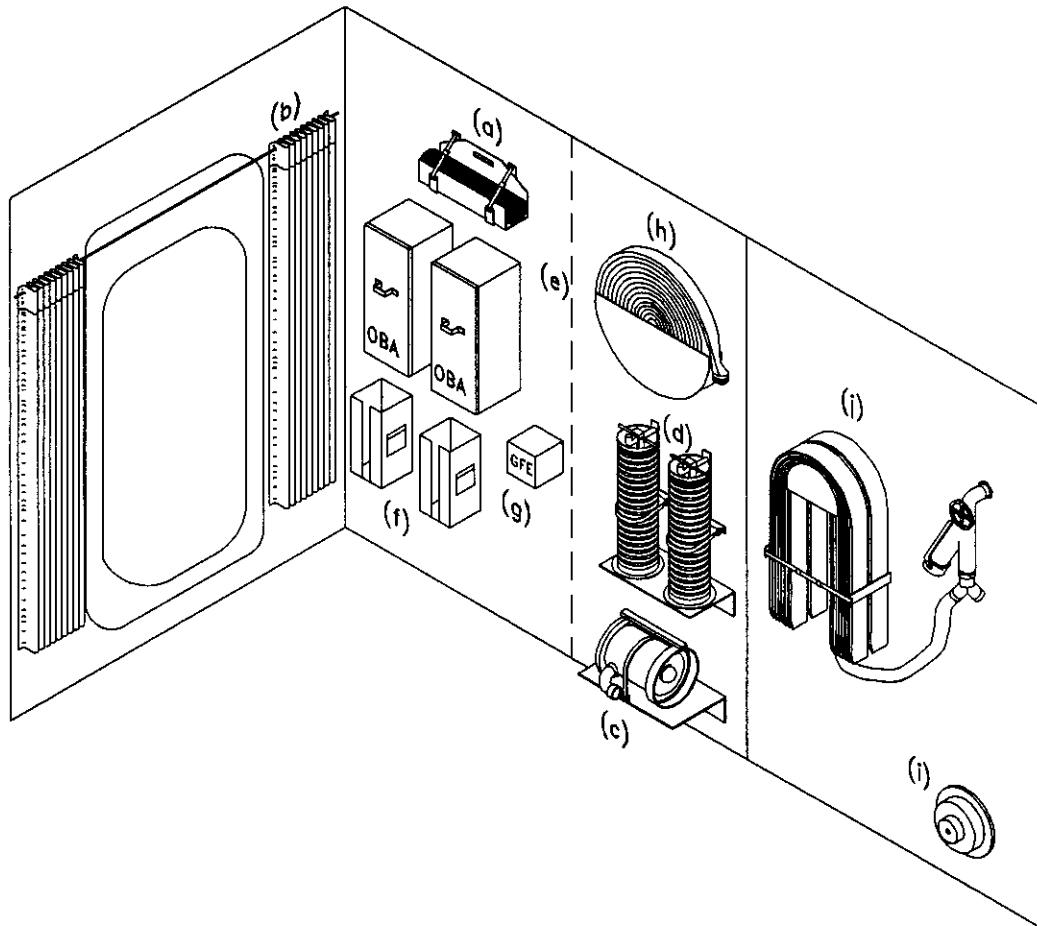
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 60"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 014

DESMOKING EQUIPMENT PLAN #2E

- (a) 1 RACK - SMOKE CURTAIN
- (b) 2 SMOKE CURTAINS PRE-HANG
- (c) 1 RAM FAN - WATER DRIVEN
- (d) 2 HOSE AIRDUCT
- (e) 2 OBA LOCKERS
- (f) 2 CANISTER RACKS (6 PACK)
- (g) 1 GAS FREE ENGINEERS STOWAGE
- (h) 2 HOSE ASSEMBLY, 1-1/2" x 50'
- (i) 1 OVERBOARD DISCHARGE
- (j) 2 HOSE ASSEMBLY, 2-1/2" x 50'



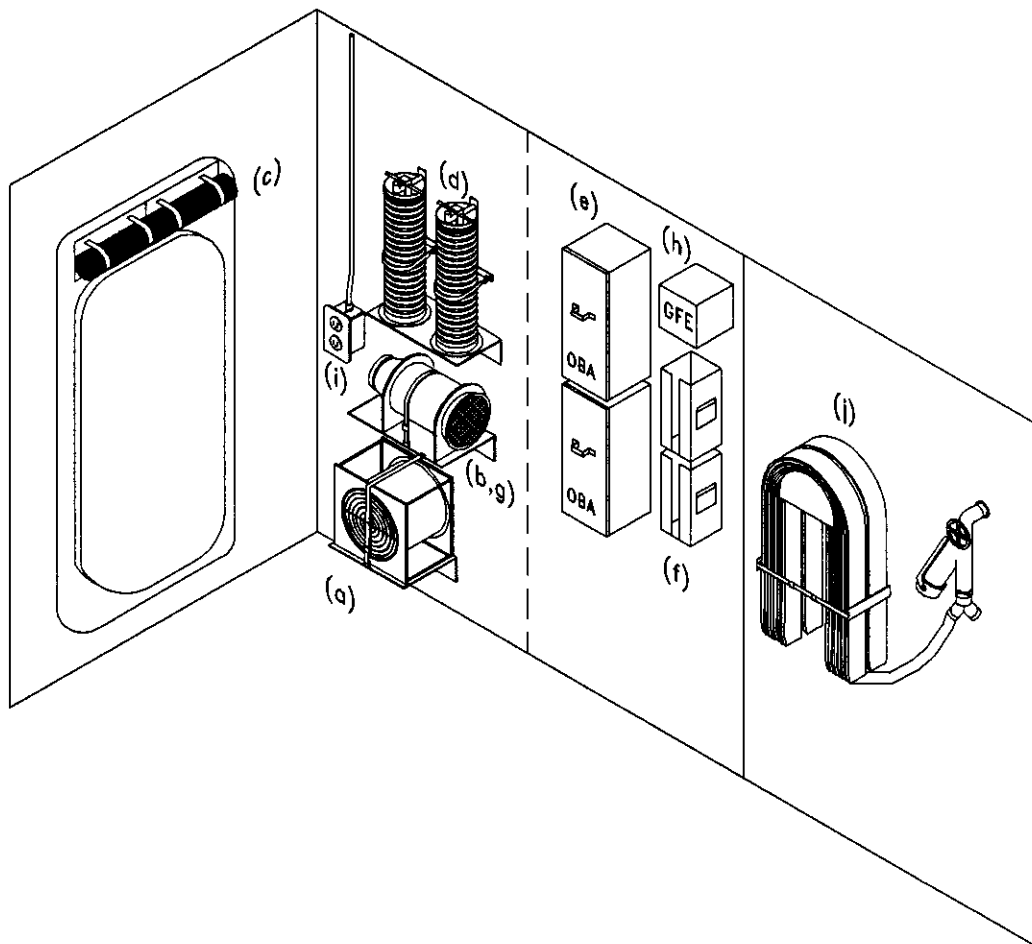
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 60"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 015

DESMOKING EQUIPMENT PLAN #2F

- (a) 1 FAN TUBEAXIAL 5200 CPFM
- (b) 1 FAN VANEAXIAL (RED DEVIL)
- (c) 2 SMOKE CURTAINS PRE-HANG
- (d) 2 HOSE AIRDUCT
- (e) 2 OBA LOCKERS
- (f) 2 CANISTER RACKS (6 PACK)
- (g) 1 CABLE ASSEMBLY 25 Ft
- (h) 1 GAS FREE ENGINEERS EQUIPMENT STOWAGE
- (i) 1 ELECTRICAL CONNECTION OUTLET
- (j) 2 HOSE ASSEMBLY, 2-1/2" x 50'



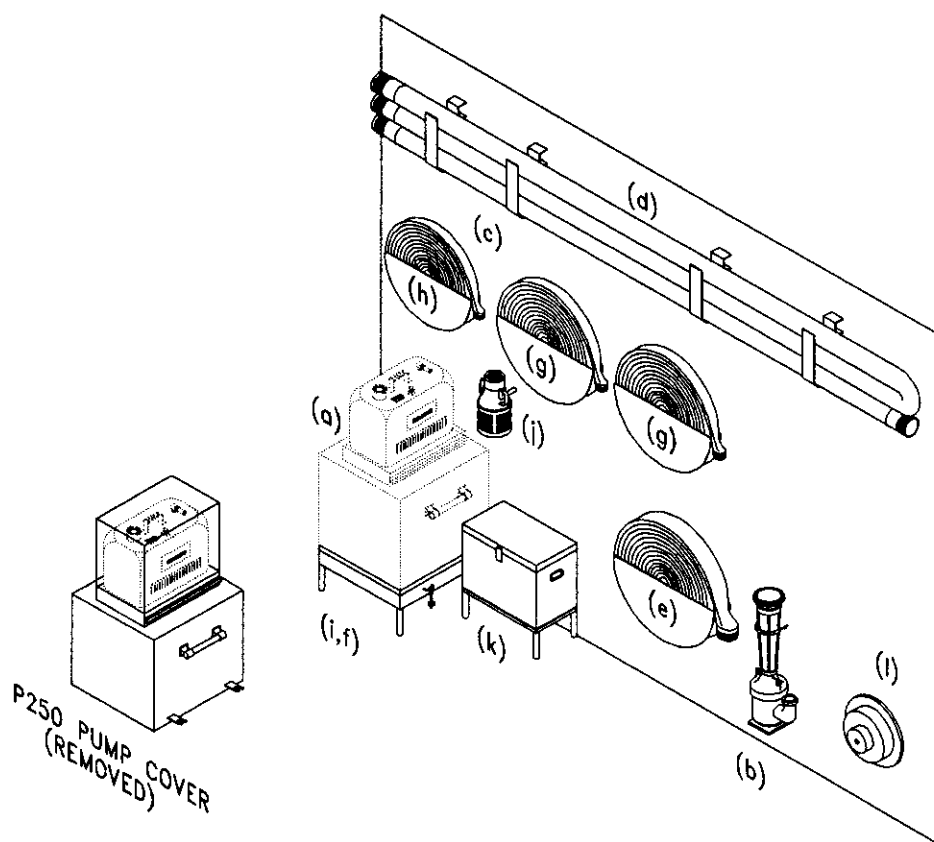
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 60"W x 80"H x 20"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 016

DESMOKING EQUIPMENT PLAN #2G

- (a) 1 CAN, FUEL
- (b) 1 EDUCTOR (PERI-JET)
- (c) 1 HOSE ASSEMBLY 3" x 10'
- (d) 1 HOSE ASSEMBLY 2" x 20'
- (e) 1 HOSE ASSEMBLY 4" x 50'
- (f) 1 HOSE ASSEMBLY 2-1/2" x 2-1/2' (STOWED WITH P250 PUMP)
- (g) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (h) 1 HOSE ASSEMBLY 1-1/2" x 50'
- (i) 1 PUMP - P250
- (j) 1 VALVE - FOOT
- (k) 1 ACCESSORIES CHEST
- (l) 1 OVERBOARD DISCHARGE

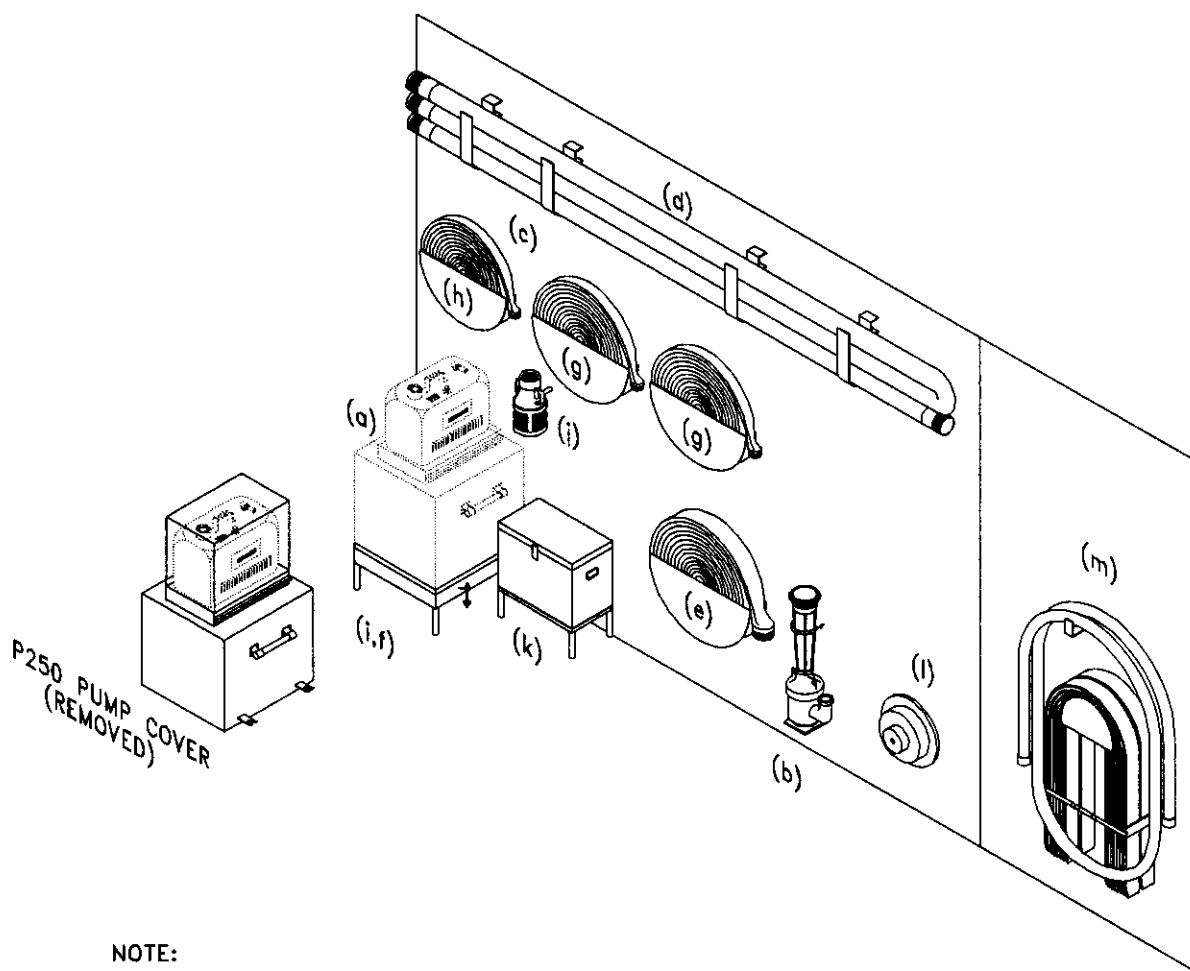


NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 80"H x 21"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 017
DEWATERING EQUIPMENT PLAN #3A
P250 PUMP AND ACCESSORIES

- (a) 1 CAN, FUEL
- (b) 1 EDUCTOR (PERI-JET)
- (c) 1 HOSE ASSEMBLY 3" x 10'
- (d) 1 HOSE ASSEMBLY 2" x 20'
- (e) 1 HOSE ASSEMBLY 4" x 50'
- (f) 1 HOSE ASSEMBLY 2-1/2" x 2-1/2' (STOWED WITH P250 PUMP)
- (g) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (h) 1 HOSE ASSEMBLY 1-1/2" x 50'
- (i) 1 PUMP - P250
- (j) 1 VALVE - FOOT
- (k) 1 ACCESSORIES CHEST
- (l) 1 OVERBOARD DISCHARGE
- (m) 1 P250 HOSE ASSEMBLY RACK



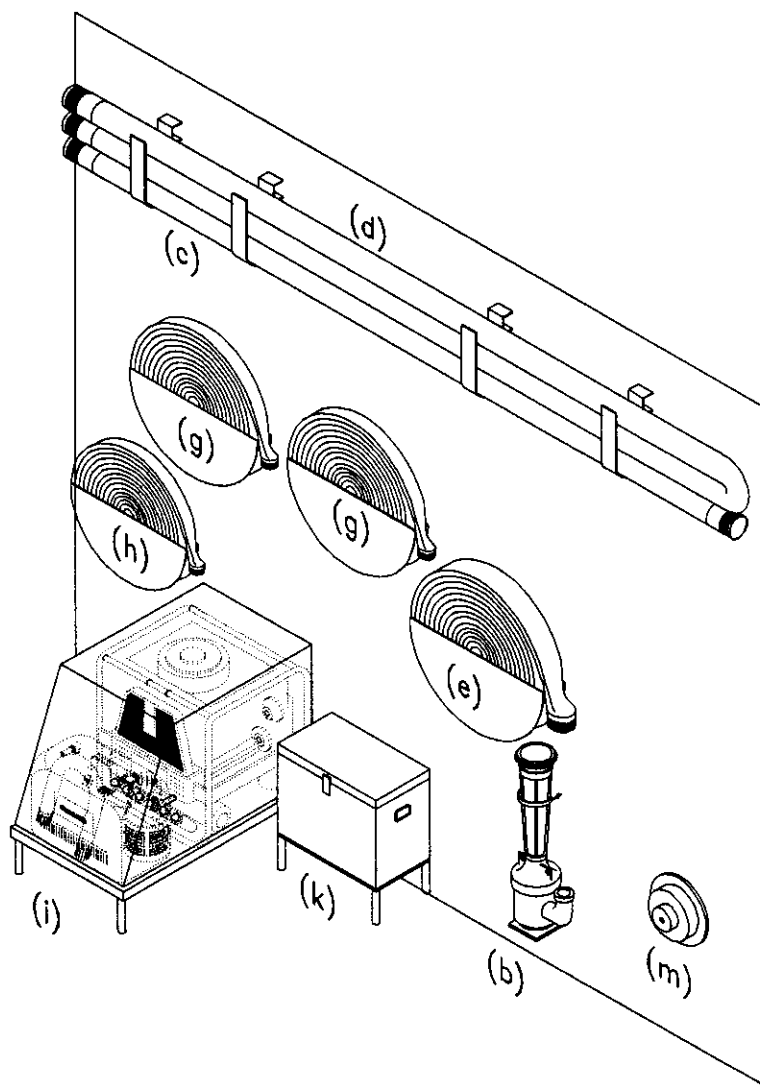
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 80"H x 21"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 018

DEWATERING EQUIPMENT PLAN #3B P250 PUMP AND ACCESSORIES

- (a) 1 CAN, FUEL (STOWED WITH PUMP P250)
- (b) 1 EDUCTOR (PERI-JET)
- (c) 1 HOSE ASSEMBLY 3" x 10'
- (d) 1 HOSE ASSEMBLY 2" x 20'
- (e) 1 HOSE ASSEMBLY 4" x 50'
- (f) 1 HOSE ASSEMBLY 2-1/2" x 2-1/2' (STOWED WITH PUMP P250)
- (g) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (h) 1 HOSE ASSEMBLY 1-1/2" x 50'
- (i) 1 PUMP - P250
- (j) 1 VALVE - FOOT (STOWED WITH PUMP P250)
- (k) 1 ACCESSORIES CHEST
- (l) 1 TRI-GATE CONNECTION (STOWED WITH PUMP P250)
- (m) 1 OVERBOARD DISCHARGE CONNECTION

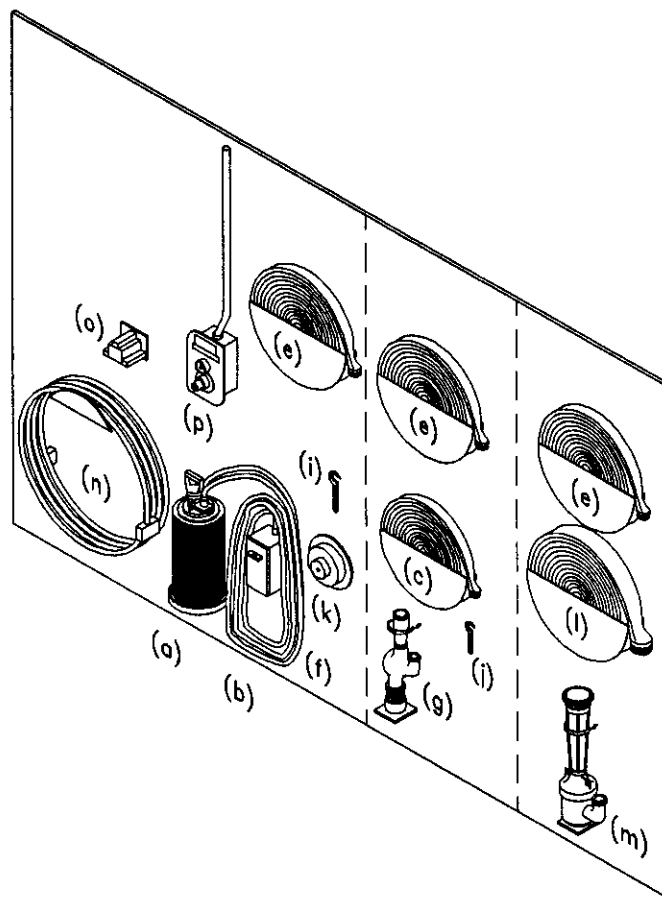


NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT IS 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT IS 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 80"H x 21"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 019
DEWATERING EQUIPMENT PLAN #3C
P250 PUMP AND ACCESSORIES

- (a) 1 PUMP, SUBMERSIBLE
- (b) 1 CABLE ASSEMBLY, 50' (ATTACHED TO SUB-PUMP)
- (c) 2 HOSE ASSEMBLY 1-1/2" x 50' (DOUBLE RACK)
- (d) 2 HOSE ASSEMBLY 2-1/2" x 10' (STOWED WITH P250 HOSE ASSY)
- (e) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (f) 1 ROPE, NYLON 2" x 50' (ATTACHED TO SUB-PUMP)
- (g) 1 EDUCTOR 2-1/2" DISCHARGE
- (h) 1 STRAINER, SUCTION FIREHOSE (ATTACHED TO 2-1/2" HARD RUBBER HOSE)
- (i) 1 WRENCH SPANNER 2" TO 4-3/4"
- (j) 1 WRENCH SPANNER 3/4" TO 2"
- (k) 1 OVERBOARD DISCHARGE
- (l) 1 HOSE ASSEMBLY 4" x 50'
- (m) 1 EDUCTOR 4" DISCHARGE (PERI-JET)
- (n) 1 CASUALTY POWER CABLE
- (o) 1 CASUALTY POWER CONNECTION
- (p) 1 ADAPTER DBLM 4"



NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 66"H x 21"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 020

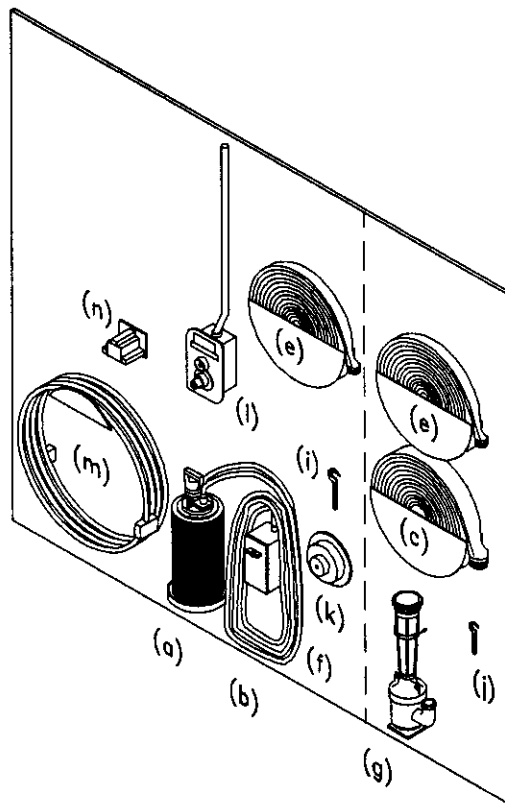
DEWATERING EQUIPMENT PLAN #3D

-
- This diagram shows the exploded view of a vacuum tube radio receiver. The components are labeled as follows:
- (a) Power transformer
 - (b) Rectifier tube
 - (c) 6X4 vacuum tube
 - (d) 6X4 vacuum tube
 - (e) 6X4 vacuum tube
 - (f) 6X4 vacuum tube
 - (g) Tuning eye
 - (h) Volume control knob
 - (i) Tuning eye
 - (j) Tuning eye
 - (k) Tuning eye
 - (l) Tuning eye
 - (m) Tuning eye

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 66"H x 21"D.

DEWATERING EQUIPMENT PLAN #3E

- (a) 1 PUMP, SUBMERSIBLE
- (b) 1 CABLE ASSEMBLY, 50' (ATTACHED TO SUB-PUMP)
- (c) 1 HOSE ASSEMBLY 4" x 50'
- (d) 2 HOSE ASSEMBLY 2-1/2" x 10' (STOWED WITH P250 HOSE ASSY)
- (e) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (f) 1 ROPE, NYLON 2" x 50' (ATTACHED TO SUB-PUMP)
- (g) 1 EDUCTOR 4" DISCHARGE (PERI-JET)
- (h) 1 STRAINER, SUCTION FIREHOSE (ATTACHED TO 2-1/2" HARD RUBBER HOSE)
- (i) 1 WRENCH SPANNER 2" TO 4-3/4"
- (j) 1 WRENCH SPANNER 3/4" TO 2"
- (k) 1 OVERBOARD DISCHARGE
- (l) 1 ADAPTER DBLM 4"
- (m) 1 CASUALTY POWER CABLE
- (n) 1 CASUALTY POWER CONNECTION



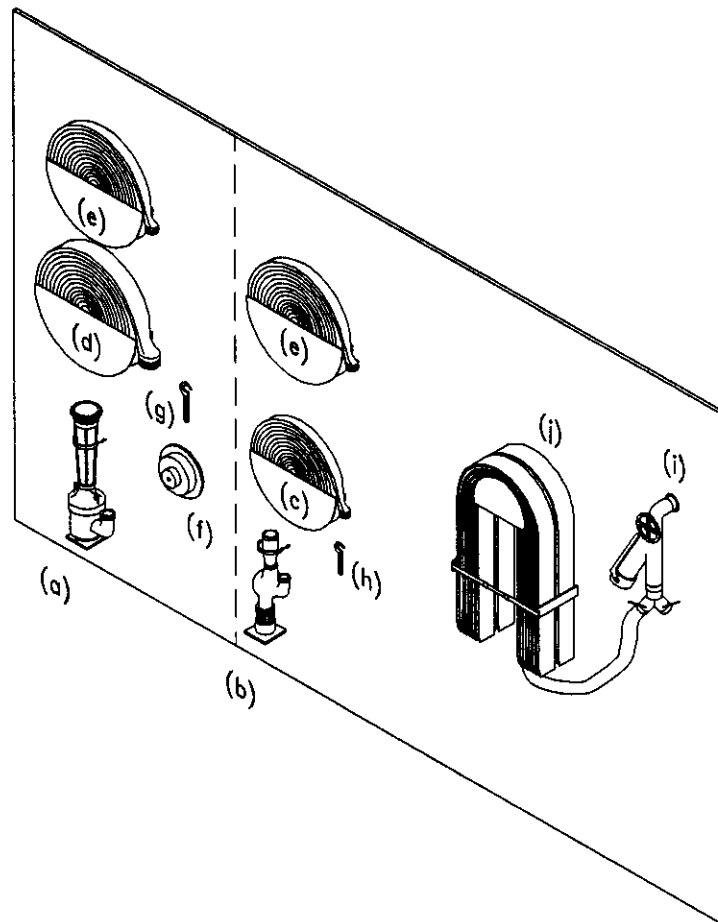
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 60"H x 21"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 022

DEWATERING EQUIPMENT PLAN #3F

- (a) 1 EDUCTOR 4" DISCHARGE (PERI-JET)
- (b) 1 EDUCTOR 2-1/2" DISCHARGE
- (c) 1 HOSE ASSEMBLY 1-1/2" x 50'
- (d) 1 HOSE ASSEMBLY 4" x 50'
- (e) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (f) 1 OVERBOARD DISCHARGE
- (g) 1 WRENCH SPANNER 2" x 4-3/4"
- (h) 1 WRENCH SPANNER 3/4" x 2"
- (i) 1 FIRE PLUG, 1-1/2"
- (j) 2 HOSE ASSEMBLY, 1-1/2" x 50'



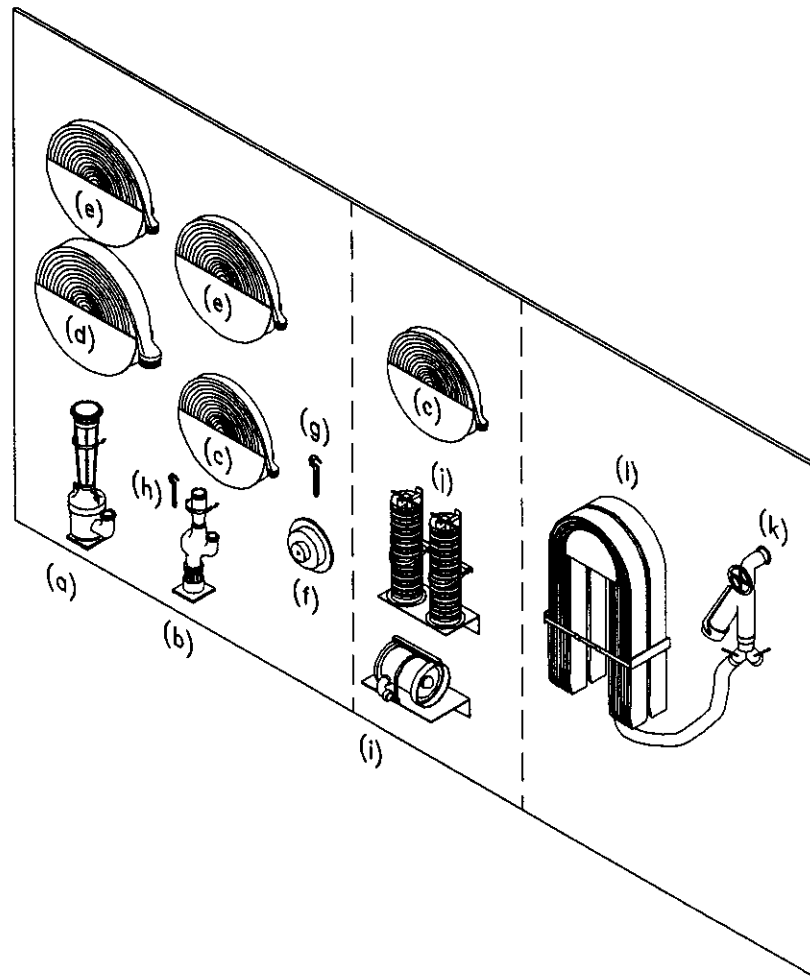
NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 66"H x 21"D.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 023

DEWATERING EQUIPMENT PLAN #3G

- (a) 1 EDUCTOR 4" DISCHARGE (PERI-JET)
- (b) 1 EDUCTOR 2-1/2" DISCHARGE
- (c) 2 HOSE ASSEMBLY 1-1/2" x 50'
- (d) 1 HOSE ASSEMBLY 4" x 50'
- (e) 2 HOSE ASSEMBLY 2-1/2" x 50'
- (f) 1 OVERBOARD DISCHARGE
- (g) 1 WRENCH SPANNER 2" x 4-3/4"
- (h) 1 WRENCH SPANNER 3/4" x 2"
- (i) 1 RAM FAN, WATER DRIVEN
- (j) 2 HOSE AIRDUCT
- (k) 1 FIRE PLUG, 1-1/2"
- (l) 2 HOSE ASSEMBLY, 1-1/2" x 50'



NOTE:

1. EQUIPMENT BRACKET FOUNDATIONS INSTALLED 6" ABOVE DECK.
2. HORIZONTAL DISTANCE BETWEEN EQUIPMENT APPROX. 4".
3. VERTICAL DISTANCE BETWEEN EQUIPMENT APPROX. 2".
4. TOTAL SPACE REQUIREMENTS - 76"W x 66"H x 21"D.

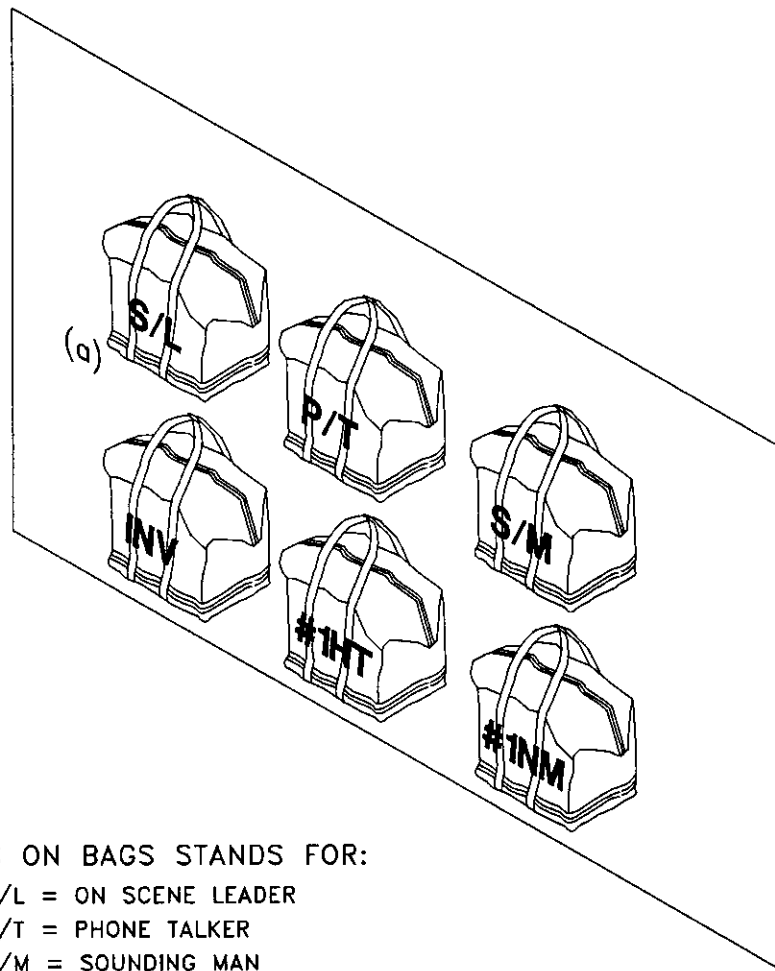
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 024

DEWATERING EQUIPMENT PLAN #3H

(a) 6 FIREMAN'S BAG

EACH BAG CONTAINS:

- 1 PAIR BOOTS
- 1 PAIR GLOVES
- 1 OBA
- 2 OBA CANS
- 1 FF COVERALL
- 1 FF HELMET



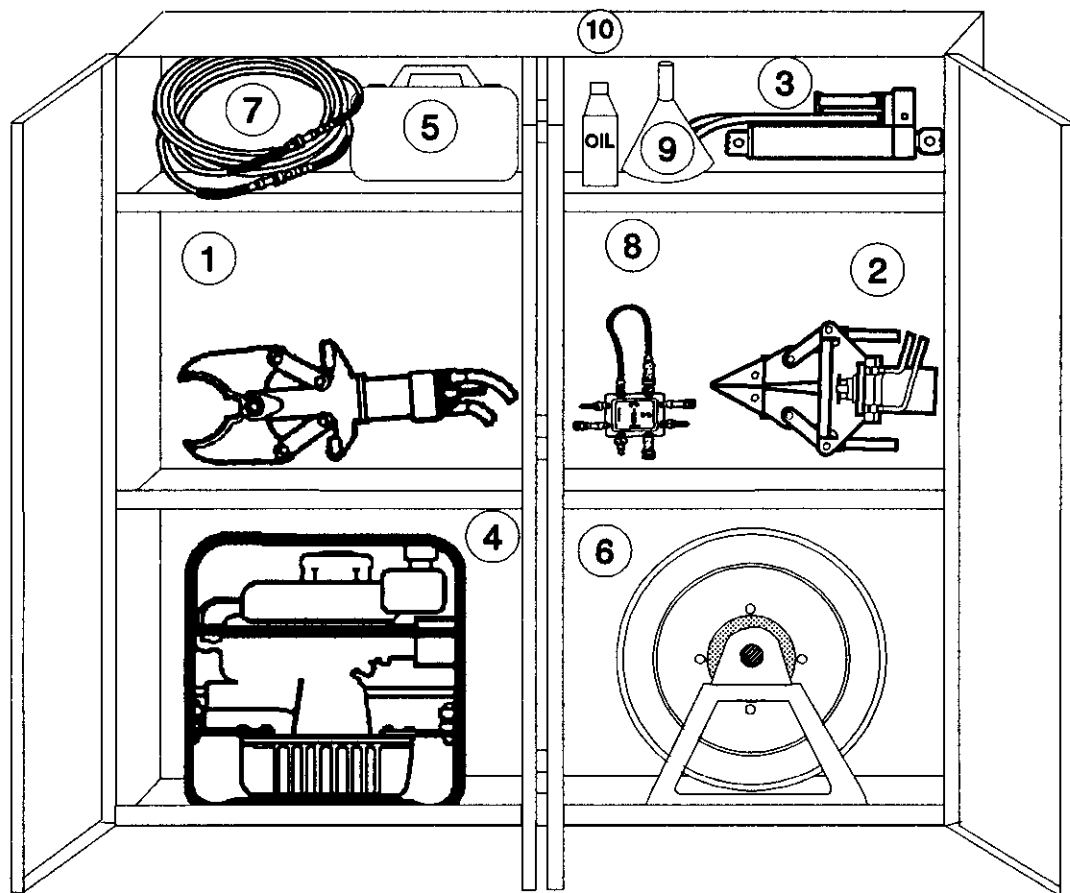
LETTERS ON BAGS STANDS FOR:

- S/L = ON SCENE LEADER
- P/T = PHONE TALKER
- S/M = SOUNDING MAN
- INV = INVESTIGATOR
- #1HT = NO.1 HOSE TEAM
- #1NM = NO.1 NOZZLE MAN

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 25
PERSONNEL PROTECTION EQUIPMENT
STOWAGE BAG

EQUIPMENT DESCRIPTION	DIMENSIONS
1. Cutter	31 1/2"H x 11 1/2"W x 7"D
2. Spreader	24.3"H x 14"W x 8 1/2"D
3. Extension Ram	23"H x 7"W x 3"D
4. Engine	22"H x 20"W x 20"D
5. Attachment Case	11"H x 15 3/8"W x 3"D
6. Hose Reel - 100' with Manifold attached to hose	18"H x 16 1/2"W x 16 1/2"D
7. Extension Hose, 1 x 16'	24"H x 18"W x 3"D
8. Multiple Connection Manifold	15"H x 9 1/2"W x 5"D
9. Funnel	8"H x 4"W x 4"D
10. Oil, case - 7 quarts (1 quart illustrated)	

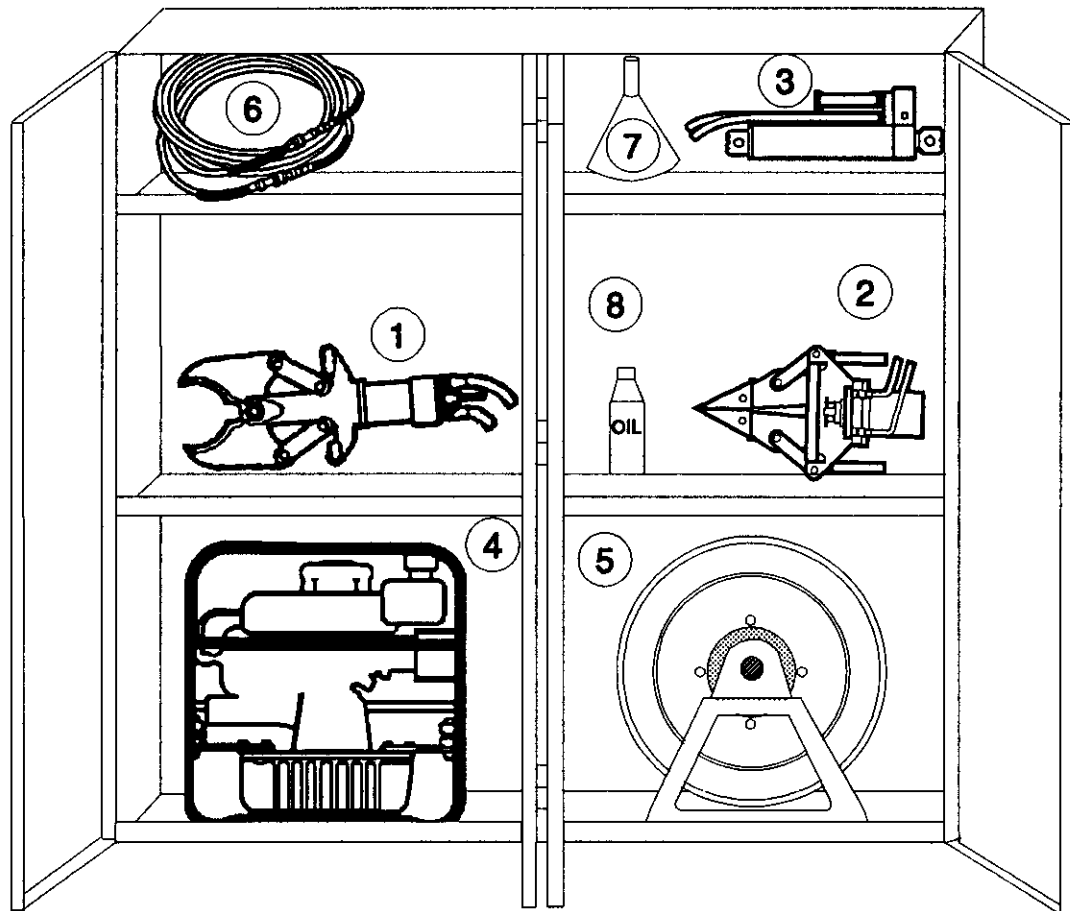
- NOTES: 1. Spare hydraulic fluid (7 qts.) stored as designated by DCA.
2. Illustration is for general storage guidance only.



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #025
PORTABLE HYDRAULIC ACCESS AND RESCUE SYSTEM (PHARS)
GENERAL EQUIPMENT STORAGE ARRANGEMENT PLAN #1
HURST TOOLS

EQUIPMENT DESCRIPTION	DIMENSIONS
1. Cutter	21"L x 8"W x 5"H
2. Spreader	31"L x 13"W x 8"H
3. Extension Ram	25"L x 7"W x 3"H
4. Engine	22"L x 20"W x 20"H
5. Hose Reel - 100' with Manifold attached to hose (optional)	21"L x 18"W x 18"H
6. Extension Hose, 1 x 15'	24"L x 16"W x 3"H
7. Funnel	8"L x 4"W x 4"H
8. Oil, case - 7 quarts (1 quart illustrated)	

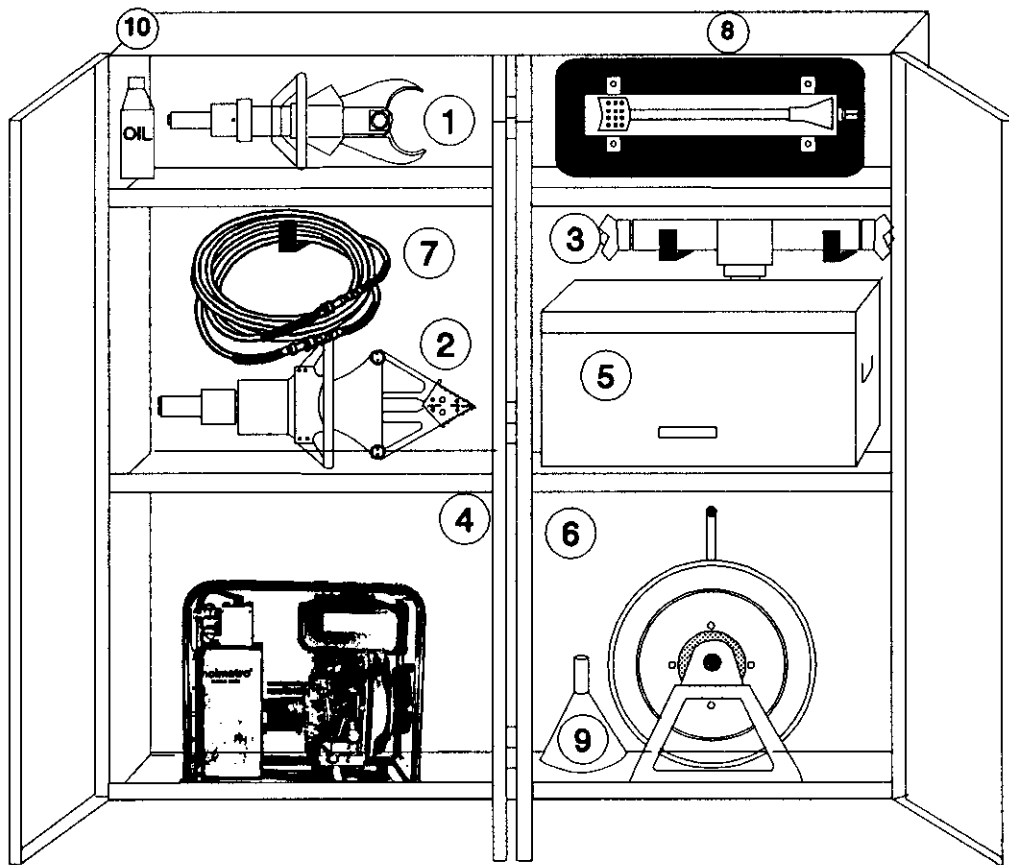
- NOTES: 1. Spare hydraulic fluid (7 qts.) stored as designated by DCA.
2. Illustration is for general storage guidance only.



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #026
PORTABLE HYDRAULIC ACCESS AND RESCUE SYSTEM (PHARS)
GENERAL EQUIPMENT STORAGE ARRANGEMENT PLAN #2
PHOENIX TOOLS

EQUIPMENT DESCRIPTION	DIMENSIONS
1. Cutter	30.75"L x 8.75"W x 5"H
2. Spreader	35"L x 12"W x 8.5"H
3. Extension Ram	30.25"L x 4.75"W x 17"H
4. Engine	21"L x 16"W x 22"H
5. Accessories Chest	36"L x 16"W x 18"H
6. Hose Reel - 100'	16.5"L x 14"W x 18"H
7. Extension Hose, 1 x 16'	24"L x 18"W x 3"H
8. Foot Valve	30"L x 10"W x 5"H
9. Funnel	8"L x 4"W x 4"H
10. Oil, case - 7 quarts (1 quart illustrated)	

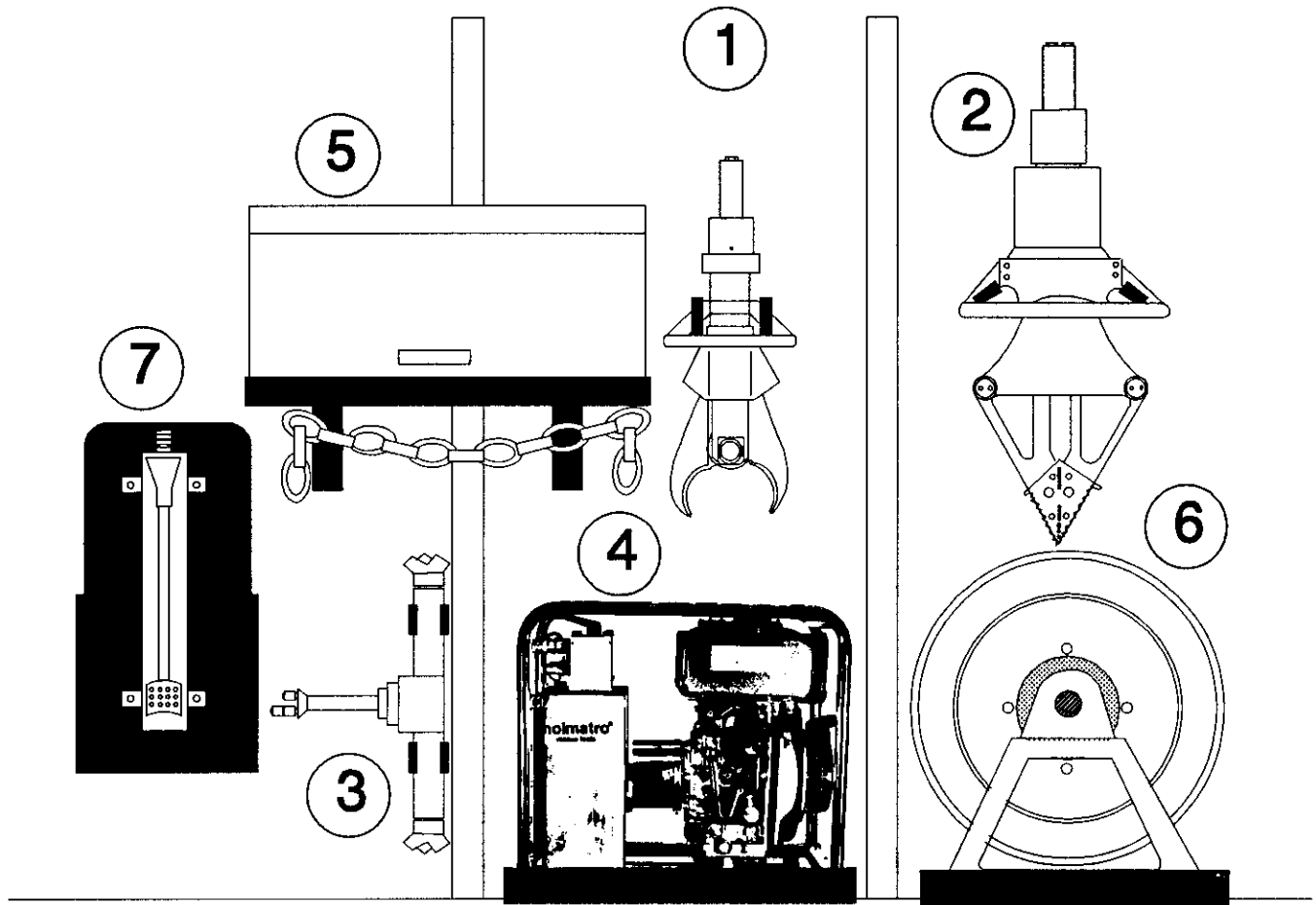
- NOTES: 1. Spare hydraulic fluid (7 qts.) stored as designated by DCA.
2. Illustration is for general storage guidance only.



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #027
PORTABLE HYDRAULIC ACCESS AND RESCUE SYSTEM (PHARS)
GENERAL EQUIPMENT STORAGE ARRANGEMENT PLAN #3
HOLMATRO TOOLS

EQUIPMENT DESCRIPTION	DIMENSIONS
1. Cutter	30.75"L x 8.75"W x 5"H
2. Spreader	35"L x 12"W x 8.5"H
3. Extension Ram	30.25"L x 4.75"W x 17"H
4. Engine	21"L x 16"W x 22"H
5. Accessories Chest with Extension Hose, 1 x 16'	36"L x 16"W x 18"H
6. Hose Reel - 100'	16.5"L x 14"W x 18"H
7. Foot Valve	30"L x 10"W x 5"H

- NOTES: 1. Spare hydraulic fluid (7 qts.) stored as designated by DCA.
2. Illustration is for general storage guidance only.



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #028
PORTABLE HYDRAULIC ACCESS AND RESCUE SYSTEM (PHARS)
GENERAL EQUIPMENT STORAGE ARRANGEMENT PLAN #3A
HOLMATRO TOOLS

Section 4

SKETCHES OF STOWAGE DEVICES FOR DAMAGE CONTROL EQUIPMENT

- Adjustable Shelves
- Brackets
- Hooks
- Lockers
- Racks

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCHES

SECTION 4 SKETCH NO.	TITLE OF SKETCH
001	Adjustable Shelves, Version 1
002	Adjustable Shelves, Version 2
003	AFFF Stowage Rack (5 Gal Can), Version 1
004	AFFF Stowage Rack (5 Gal Can), Version 2
005	AFFF Stowage Rack (5 Gal Can), Version 3
006	Box Patch Stowage Rack for Assemblies 1, 2 and 3
007	CBR Equipment Stowage Locker
008	Casualty Power Cable Stowage Rack
009	Damage Control Equipment Stowage (Large) Grating
010	Damage Control Equipment Stowage (Spring Clips)
011	Damage Control Equipment Stowage Support Brackets
012	Damage Control Locker, Various Equipment
013	Damage Control Locker, Various Equipment
014	Damage Control Locker, Various Equipment
015	Damage Control Locker, Various Equipment
016	Damage Control Locker, Various Equipment
017	Damage Control Locker, Various Equipment
018	Damage Control Locker, Various Equipment
019	Damage Control Locker, Various Equipment
020	Damage Control Locker, Various Equipment
021	Dewatering Kit Stowage Locker
022	Eductor, 1 ½" Vertical Stowage Bracket
023	Eductor, 1 ½" Vertical Stowage Rack
024	Eductor, 2 ½" Peri-Jet Horizontal Stowage
025	Eductor, 2 ½" Peri-Jet Vertical Stowage Rack
026	Eductor/Peri-Jet (1 ½"/2 ½") Vertical Stowage Rack
027	Fan Stowage Tube Axial, BHD Mounted Grating
028	Fan Stowage Red Devil, BHD Mounted Grating
029	Fan Stowage Red Devil, BHD/DK Mounted Plate
030	Fan Stowage Tube Axial, BHD/DK Mounted Plate

SECTION 4 SKETCH NO.	TITLE OF SKETCH
031	Fan Stowage Tube Axial, BHD/DK Mounted Plate
032	Fan Stowage Water Driven, BHD Mounted Grating
033	Fan Stowage Water Driven, Deck Mounted Plate
034	Fan Stowage Water Driven BHD/DK Mounted Plate
035	Fire Fighters' Boot Stowage Rack, Version 1 (Locker Mounted)
036	Fire Fighters' Boot Stowage Rack, Version 2 (Deck Mounted)
037	Fire Fighters' Boot Stowage Rack, Version 3 (Beam Mounted)
038	Fire Fighters' Boot Stowage (BHD Mounted) Version 4
039	Fire Fighters' Ensemble Coverall Stowage Hanger Bar, Version 1
040	Fire Fighters' Ensemble Coverall Stowage (Hook) Version 2
041	Fire Fighters' Ensemble Coverall Stowage Lockers, Version 3
042	Fire Fighters' Helmet Stowage (Butter Fly Clip)
043	Fire Fighters' Helmet Stowage Rack, Version 1
044	Fire Fighters' Helmet Stowage Rack, Version 2
045	Fire Fighting Equipment & Proximity Suit Stowage Locker
046	Fire Hose Hanger Stowage Rack
047	Gas Free Engineer Equipment Stowage Locker, Version 1
048	Gas Free Engineer Equipment Stowage Locker, Version 2
049	General Quarters Equipment Stowage, Version 1
050	General Quarters Equipment Stowage Locker, Version 2
051	General Quarters Equipment Stowage, Version 3
052	Hooks, Miscellaneous Damage Control Stowage
053	Hose Stowage (Cradle) (one 1 ½", one 2 ½", one 4" hose) Version 1
054	Hose Stowage (Cradle) Version 2
055	Hose Stowage Bracket
056	Hose Stowage Rack, One - 4" x 10' Disch. Hose
057	Hose Stowage Rack, One - 2" x 20' (Exhaust Hose, Rubber P250), Two - 2 ½" x 50' Fire Hose
058	Hose Stowage Rack, Three - 3" x 10' Suct. Hose (P250) or Four - 2 ½" x 10' Suct. Hose (Sub. Pmp)
059	Hose Stowage Rack, Two - 1 ½" x 50' Fire Hose
060	Hose Stowage Rack (Hard Hose Clips) 10' and 20' lengths

SECTION 4 SKETCH NO.	TITLE OF SKETCH
061	Hose Stowage Rack (Hard Suction) 3½" x 36" and 3½" x 84" lengths
062	Ladder, (6 Ft. Scaling) Stowage Brackets, Horizontal
063	Ladder, (6 Ft. Scaling) Stowage Brackets, Vertical
064	Miscellaneous Access Tool Stowage
065	NFTI Stowage Rack
066	OBA and OBA Canister Stowage Locker
067	OBA Canister Stowage Rack, Version 1
068	OBA Canister Stowage Rack, Version 2
069	OBA Stowage Locker, Single Unit
070	OBA Stowage Rack, Version 1
071	OBA Stowage Rack, Version 2
072	P-250 Equipment Accessory Stowage
073	P-250, MOD2 Propane Cartridge Stowage
074	PECU Rod Stowage
075	PECU Stowage Rack Foundation
076	Personnel Protection Equipment Stowage, (Built in Cage)
077	Personnel Protection Equipment Stowage, Version 1 (3 FFE)
078	Personnel Protection Equipment Stowage, Version 2 (4 FFE)
079	PHARS Stowage Brackets
080	Plate Patch Stowage Rack
081	Portable Sub-Pump Stowage
081A	Portable Sub-Pump Stowage, Single Unit
081B	Portable Sub-Pump Stowage, Double Unit
082	Rescue and Assistance Chest
083	Shoring Metal Stowage Rack, Horizontal, Version 1
084	Shoring Metal Stowage Rack, Horizontal, Version 2
085	Shoring Metal Stowage Rack, Vertical, Version 3
086	Shoring Metal Stowage Rack, Vertical, Version 4
087	Shoring Metal Stowage Rack, Vertical, Version 5
088	Shoring Wooden, Stowage Rack (4 pcs) with Shoring Batten Stowage
089	Shoring Wooden, Stowage Rack (9 pcs) with Shoring Batten Stowage

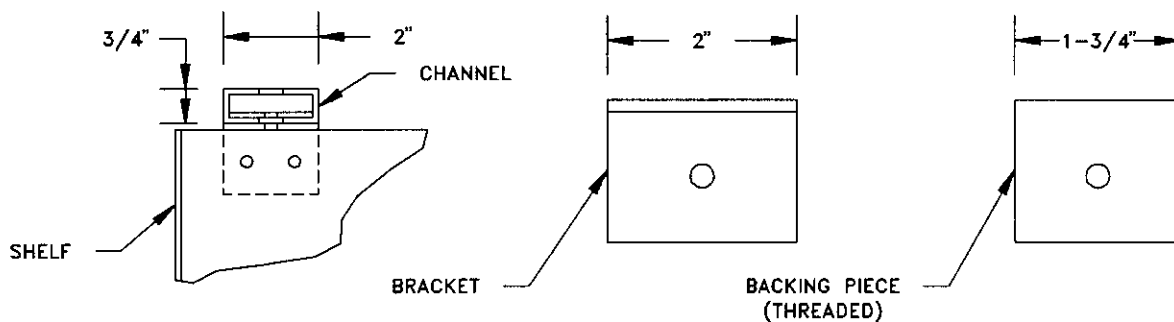
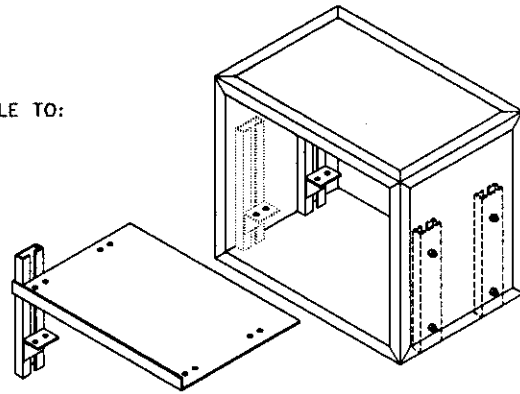
SECTION 4 SKETCH NO.	TITLE OF SKETCH
090	Smoke Curtain Hooks
091	Smoke Curtain Stowage Bracket
092	Smoke Curtain Stowage Locker
093	Smoke Generator Stowage Rack
094	Vari-Nozzel Holder, 1 ½" and 2 ½"
095	Vent Hose Stowage, BHD Mounted, Vertical, Version 1
096	Vent Hose Stowage, Vertical, Version 2
097	Welding Machine Stowage Rack

ADJUSTABLE SHELF CHANNEL SYSTEM

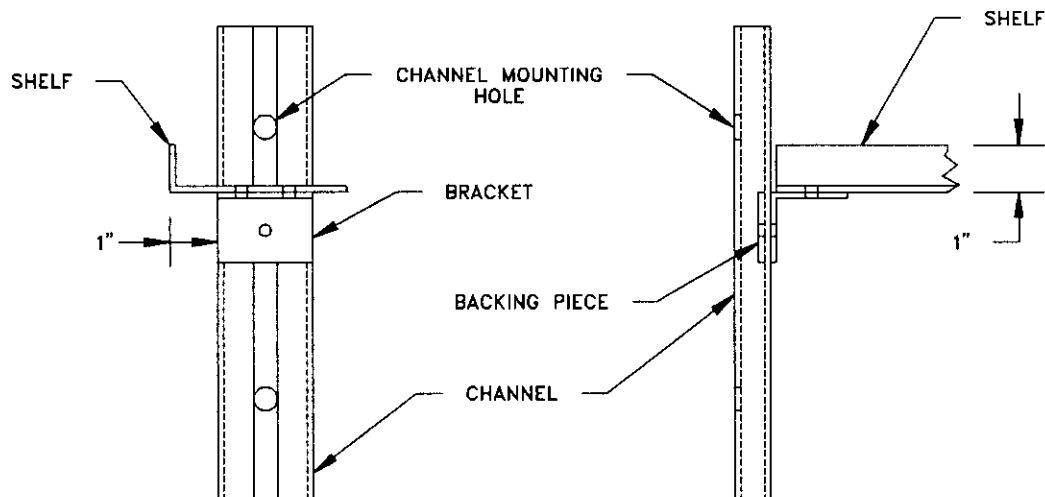
1. CHANNEL SYSTEM TO BE EQUAL TO THOSE AVAILABLE TO:

GRUMMAN EMERGENCY PRODUCTS, INC.
1723 SEIBEL DR., NE
ROANOKE VA 24012-5688
(703) 982-6666 FAX: (703) 985-2280

2. INSTALL FOUR CHANNELS, TWO ON EACH SIDE LEAVING FOUR INCHES CLEARANCE AT TOP FOR INSERTING SHELF AND BRACKETS.
3. INSTALL BRACKETS AND BACKING PIECES (4).
4. REMOVE BRACKETS AND SHELF; DRILL HOLES IN SHELF; BOLT SHELF TO BRACKETS; INSTALL SHELF IN CABINET.



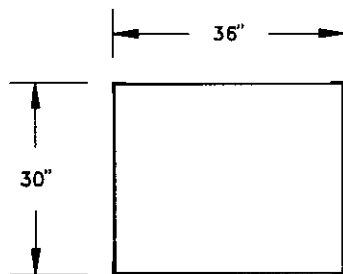
PLAN



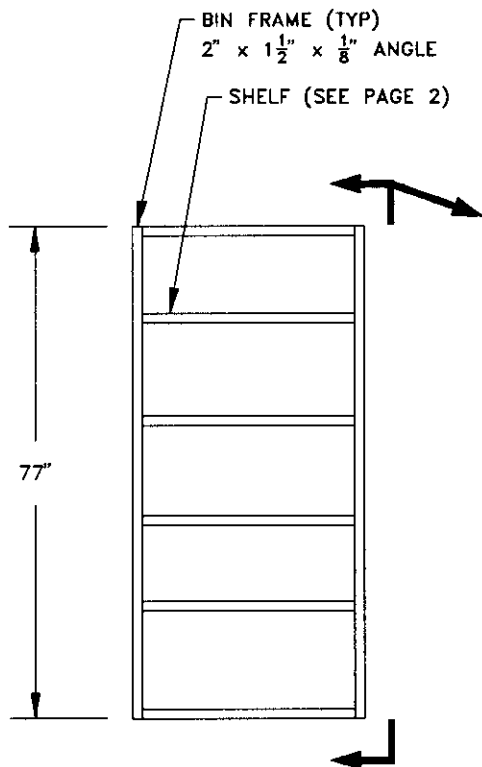
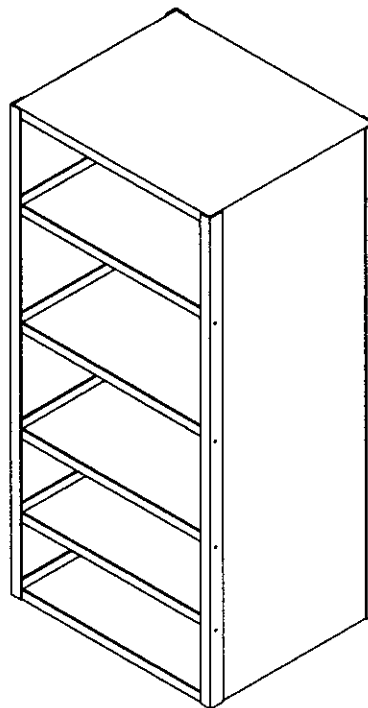
ELEVATION

SIDE VIEW

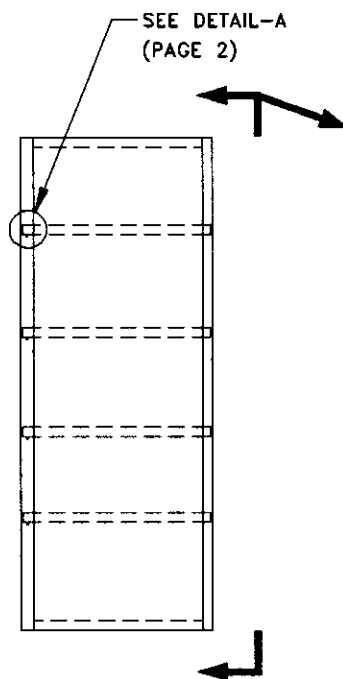
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 001
ADJUSTABLE SHELVES
VERSION 1



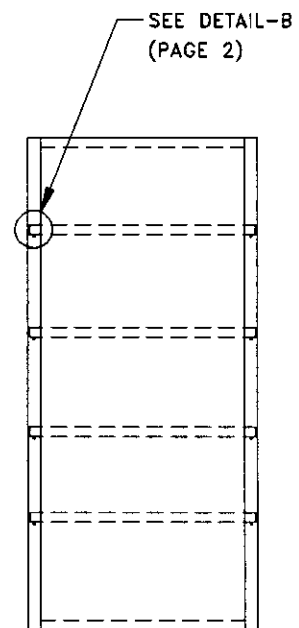
PLAN



ELEVATION

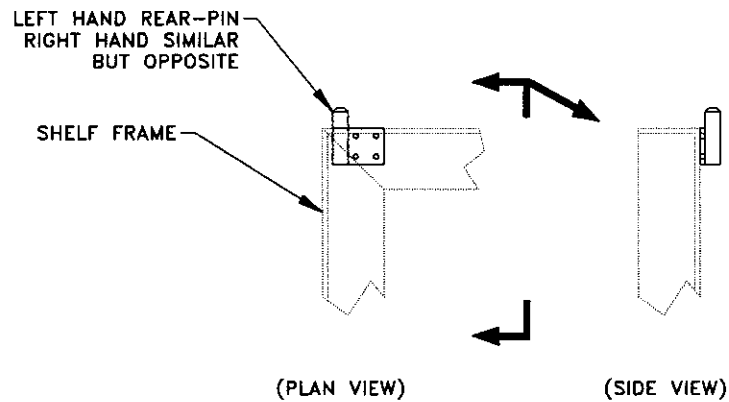
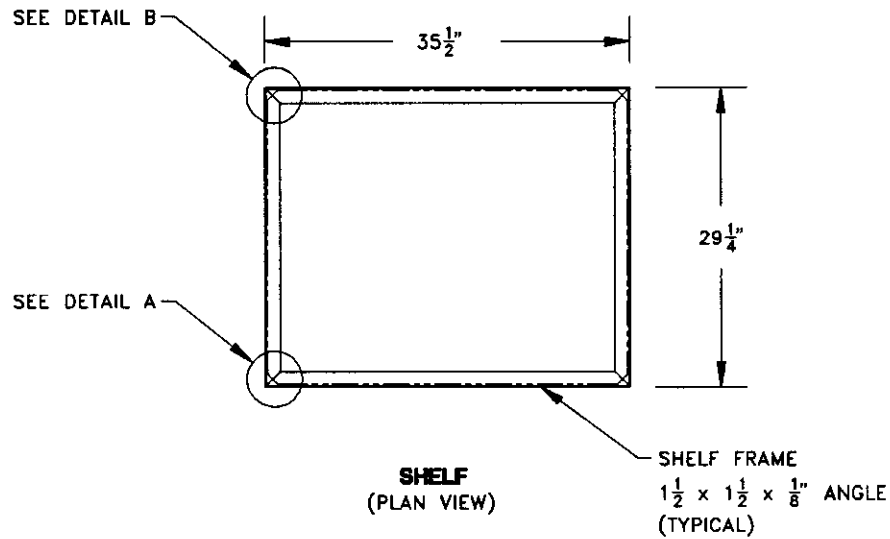


SIDE VIEW

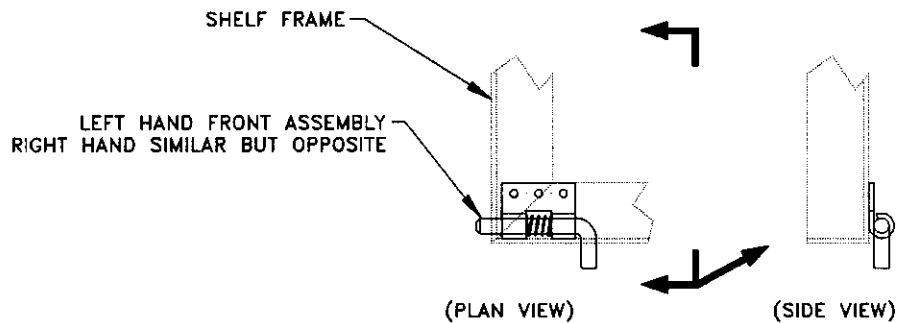


BACK VIEW

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 002
ADJUSTABLE SHELVES, VERSION 2
(PAGE 1 OF 2)

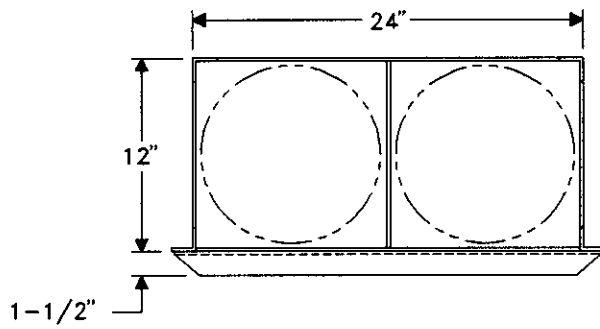


DETAIL B

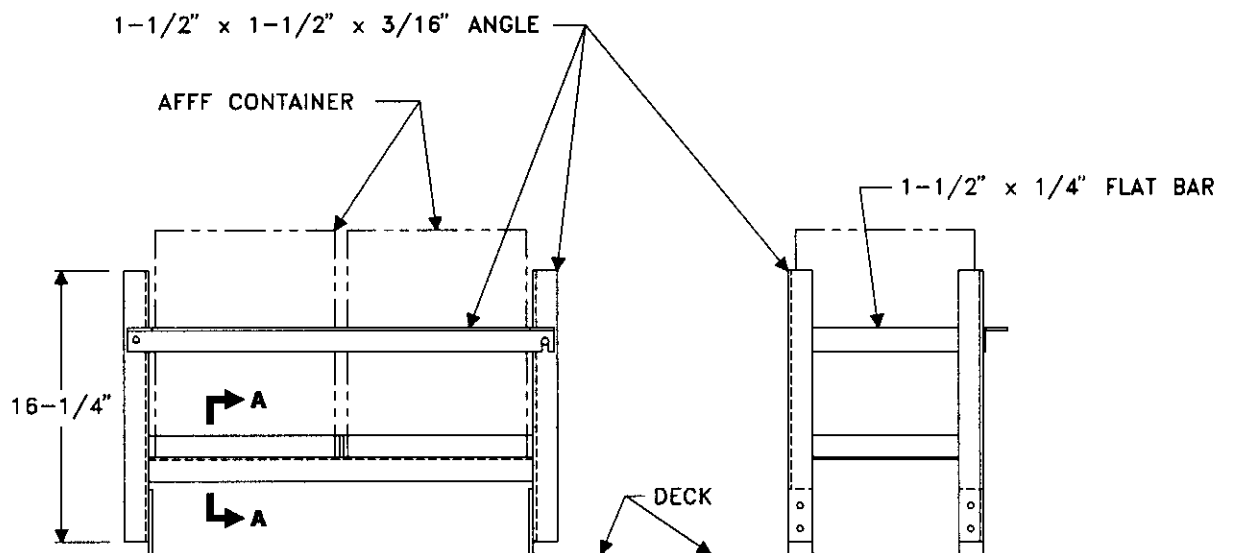


DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 002
ADJUSTABLE SHELVES, VERSION 2
(PAGE 2 OF 2)

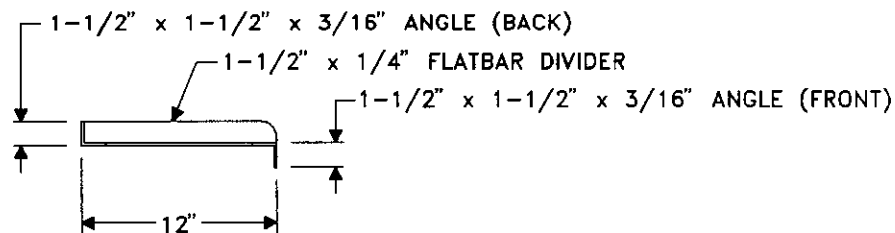


PLAN



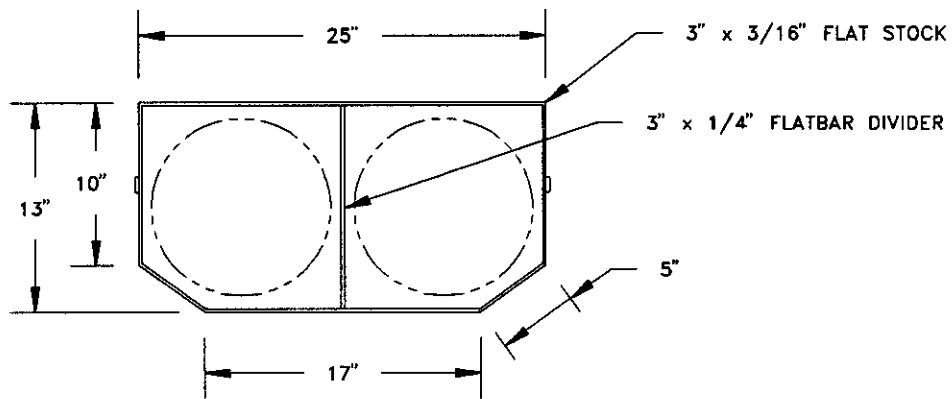
ELEVATION

SIDE VIEW

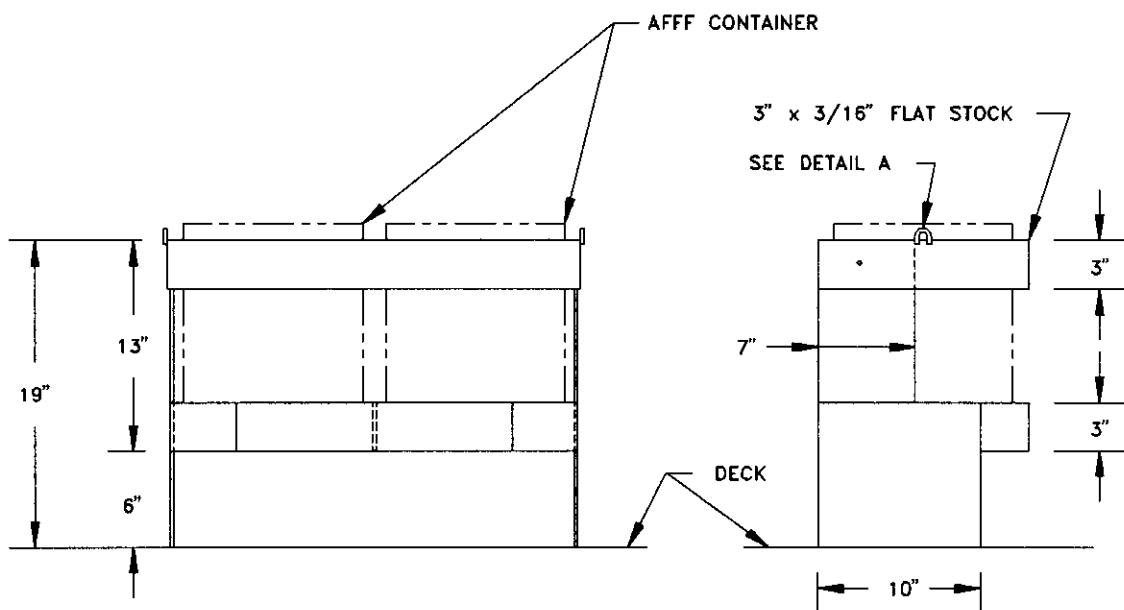


SECTION A-A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 003
AFFF (5 GAL CAN) STOWAGE RACK
VERSION 1

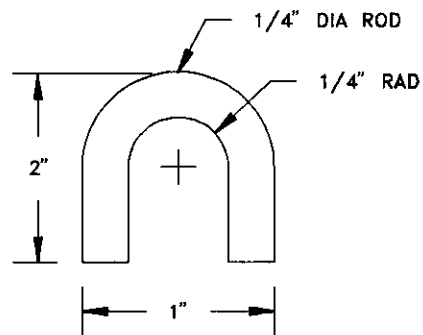


PLAN



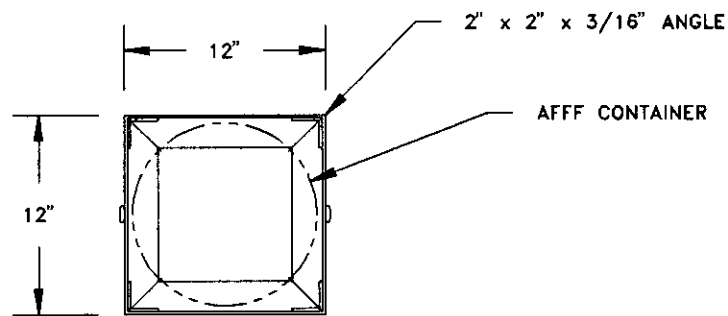
ELEVATION

SIDE VIEW

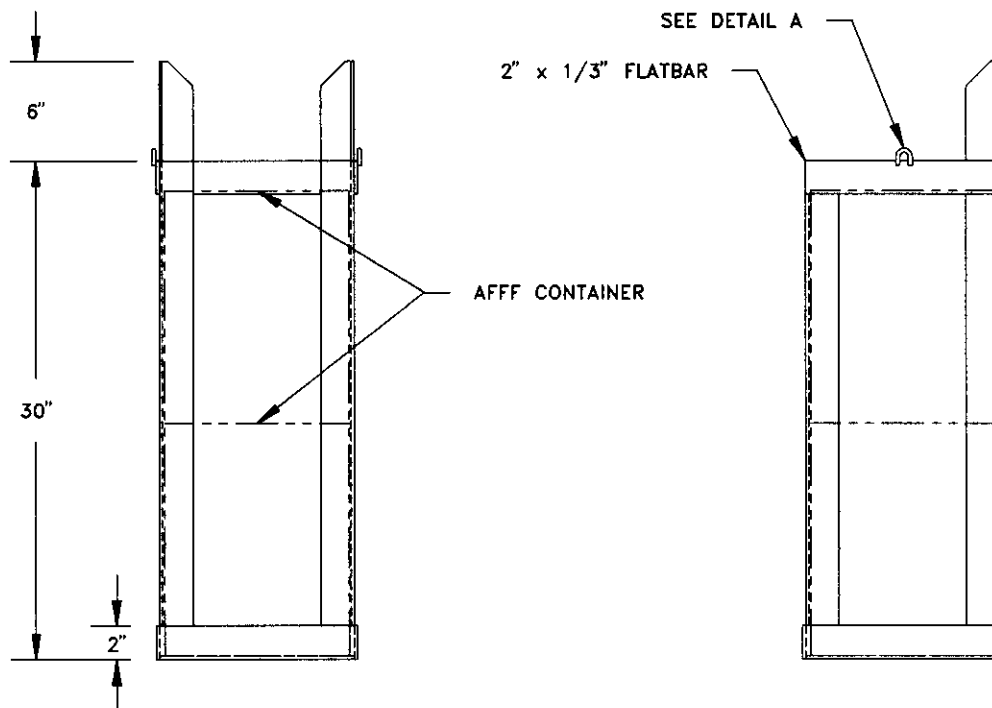


DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 004 **AFF (5 GAL CAN) STOWAGE RACK** **VERSION 2**

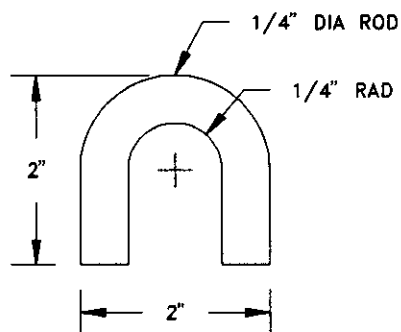


PLAN



ELEVATION

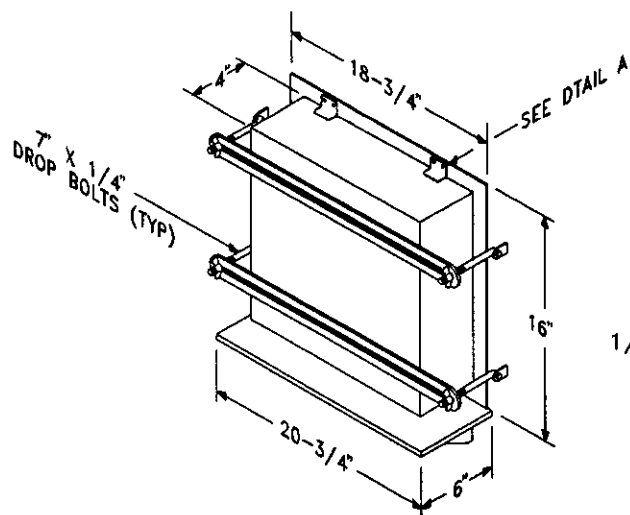
SIDE VIEW



DETAIL A

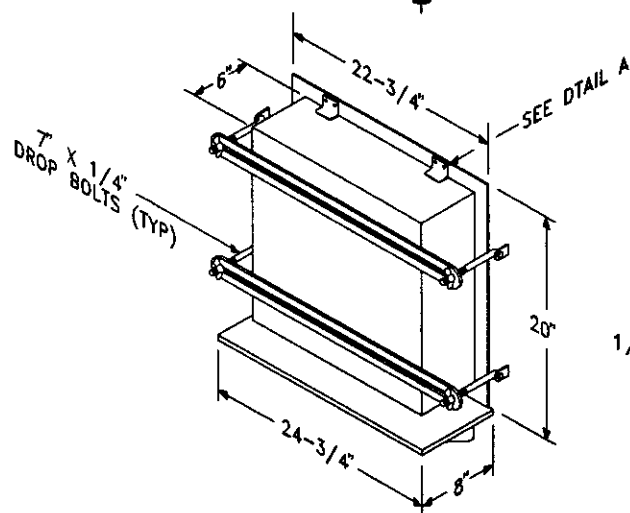
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 005
AFFF (5 GAL CAN) STOWAGE RACK
VERSION 3

NEW SKETCH



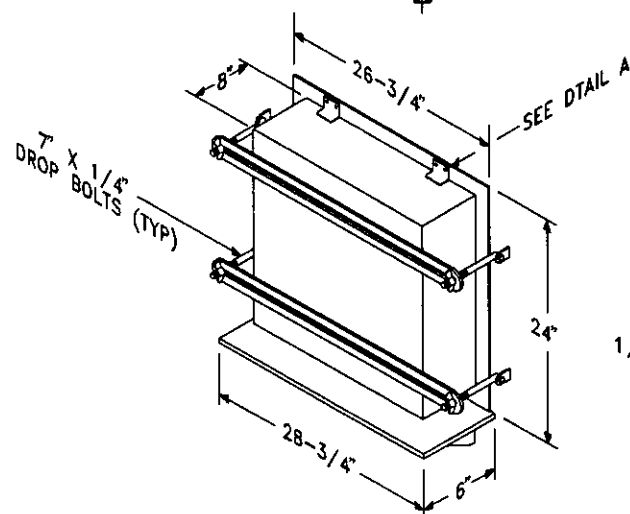
ASSEMBLY 1

STOWAGE RACK FOR
4" X 16" X 18-3/4"
1/8" STEEL PLATE BOX PATCH



ASSEMBLY 2

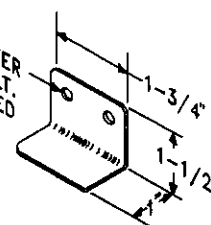
STOWAGE RACK FOR
6" X 20" X 22-3/4"
1/8" STEEL PLATE BOX PATCH



ASSEMBLY 3

STOWAGE RACK FOR
8" X 24" X 26-3/4"
1/8" STEEL PLATE BOX PATCH

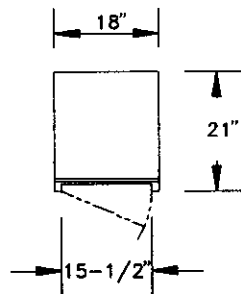
SIZE HOLE DIAMETER
FOR RIVET OR BOLT.
NO HOLES REQUIRED
IF WELDED.



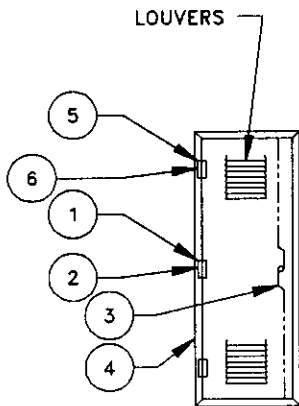
DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 006

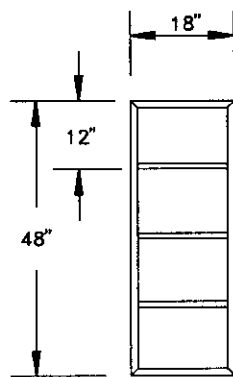
BOX PATCH STOWAGE RACKS FOR ASSEMBLIES 1, 2 AND 3



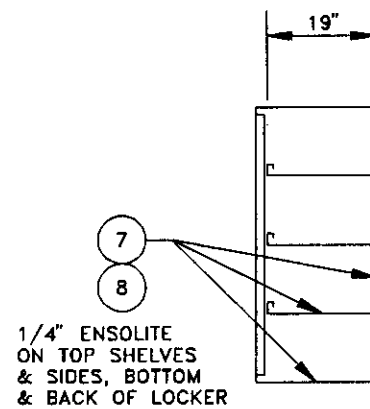
PLAN



ELEVATION



**ELEVATION
(NO DOORS)**

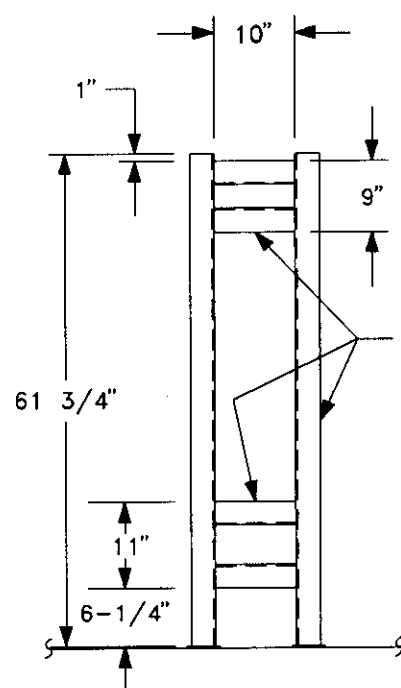
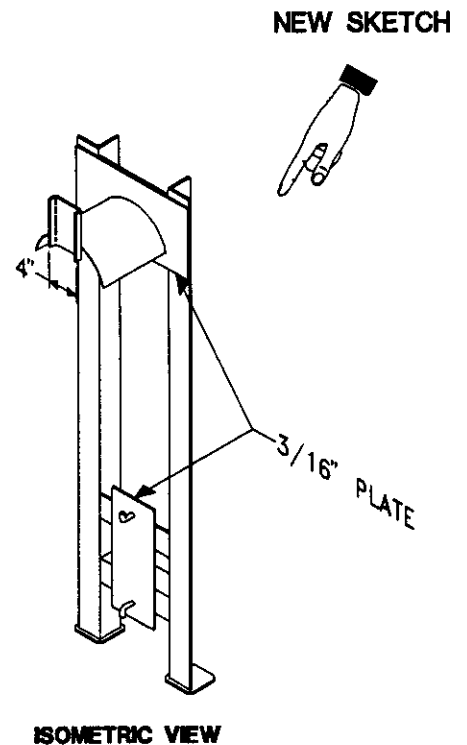
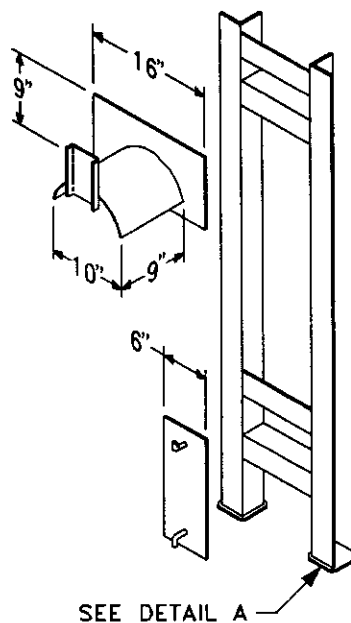
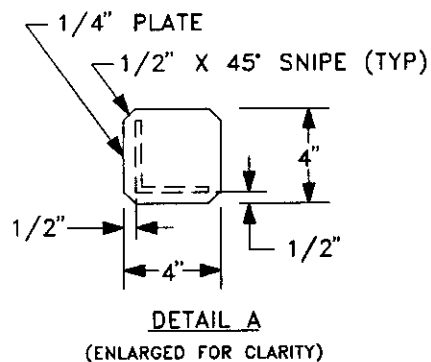


SIDE VIEW

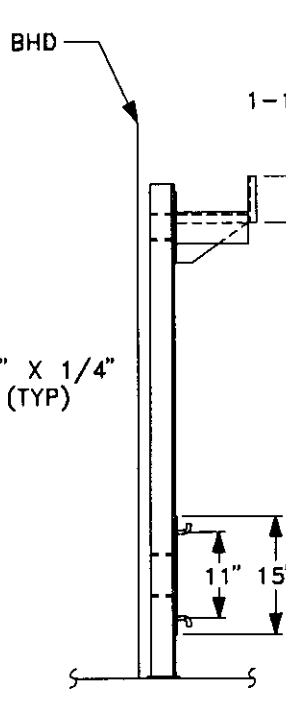
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 007
CBR EQUIPMENT STOWAGE LOCKER
PAGE 1 OF 2

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
3	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
3	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY65, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
6	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
6	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		
AS REQ'D	7	1/4" ENSOLITE	TY III RUBBER		MIL-P-15280
AS REQ'D	8	BONDING AGENT	CEMENT		MIL-A-24179

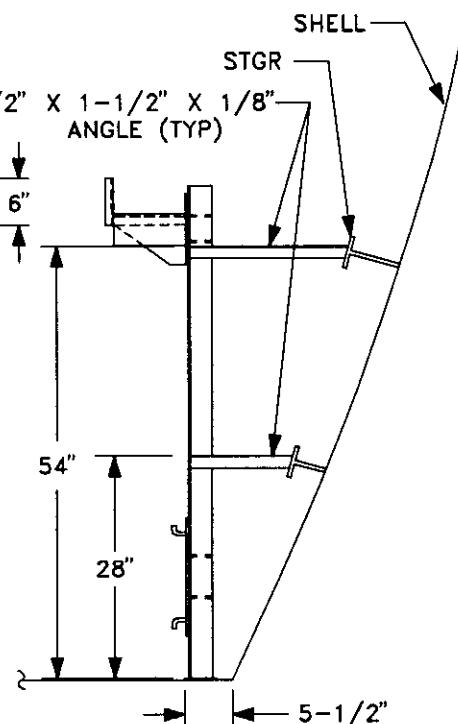
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 007
CBR EQUIPMENT STOWAGE LOCKER
PAGE 2 OF 2



ELEVATION
(RACKS REMOVED FOR CLARITY)



SIDE VIEW
(VERTICAL BHD)

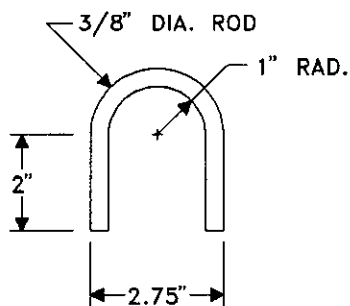
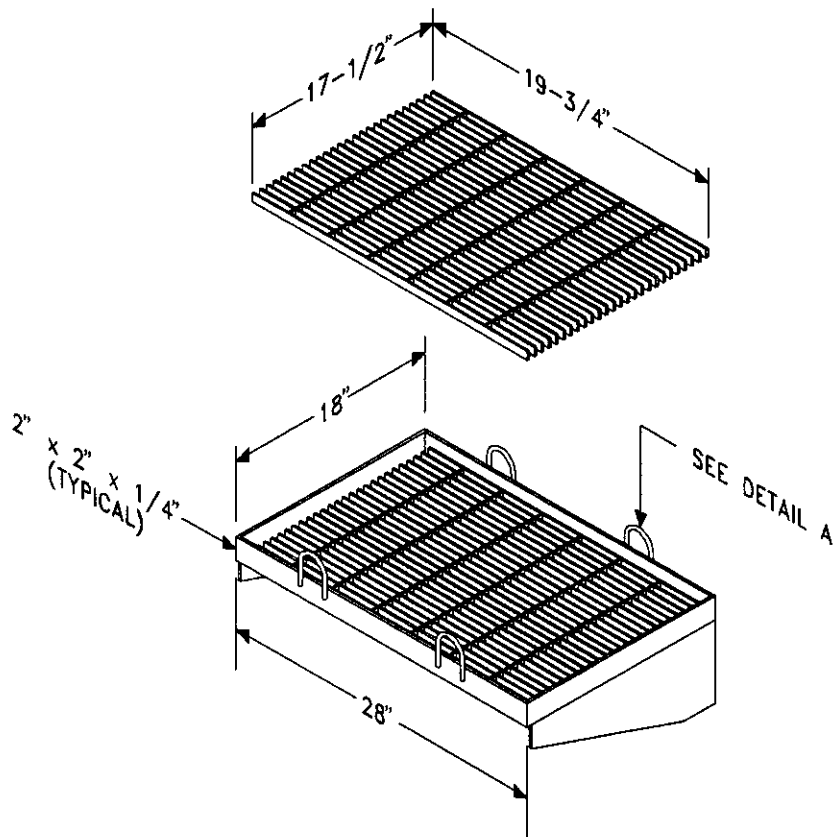


SIDE VIEW
(ANGLED BHD)

NOTE: CAN BE INSTALLED AGAINST SHELL STRINGER.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 008 **CASUALTY POWER CABLE STOWAGE RACK** **WITH VERTICAL AND ANGLED BULKHEAD STOWAGE**

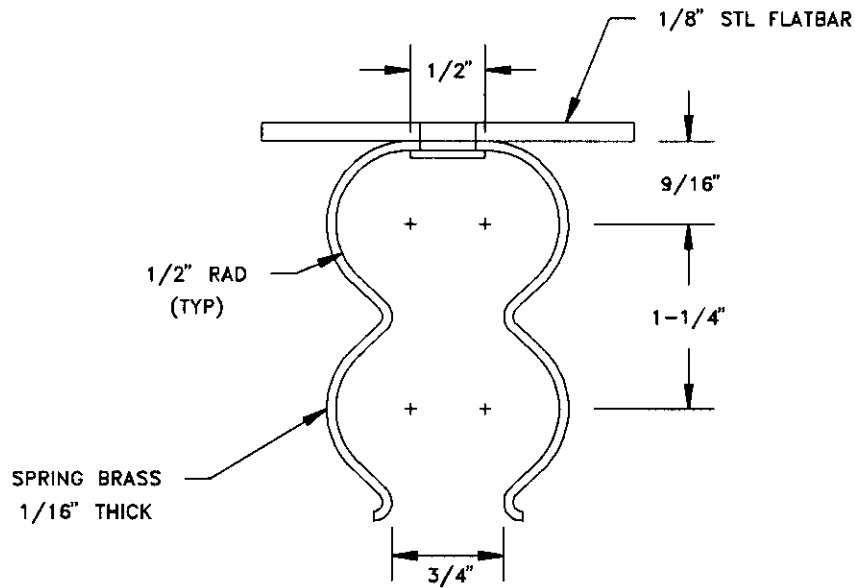
LARGE DC EQUIPMENT



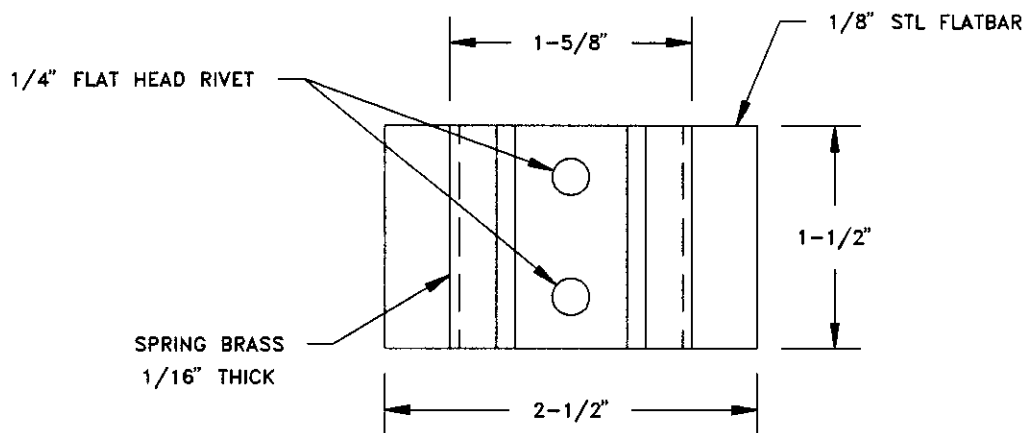
DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 009

DAMAGE CONTROL EQUIPMENT STOWAGE (LARGE) GRATING



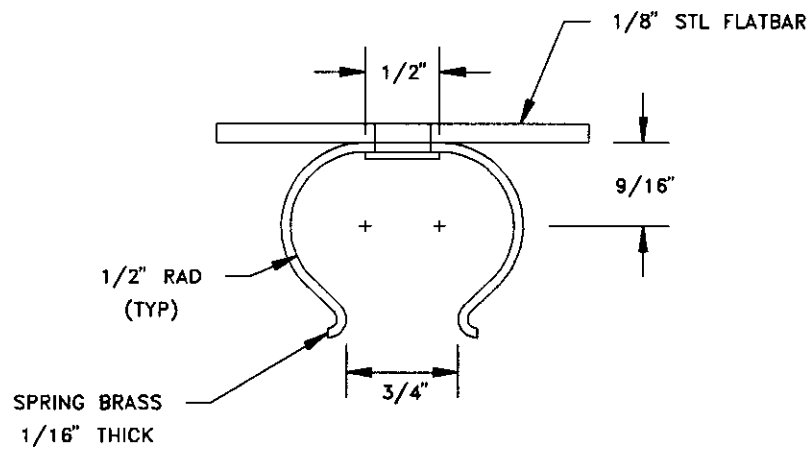
ELEVATION



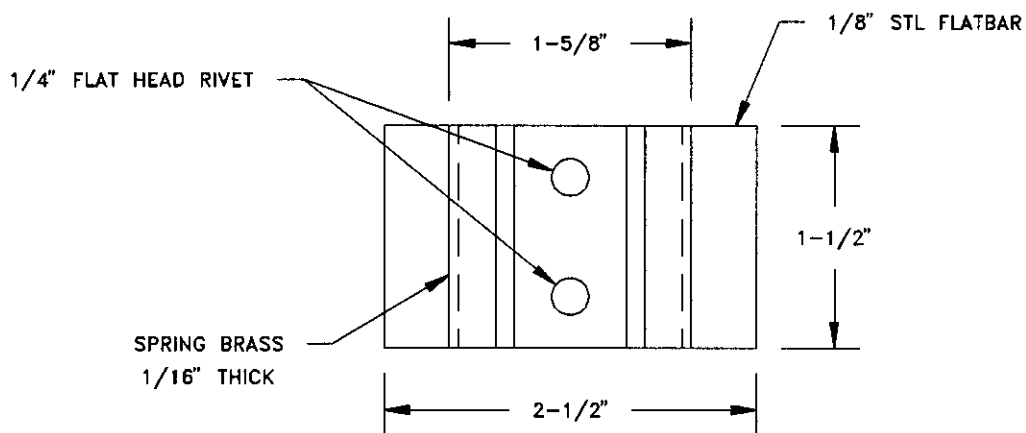
ELEVATION

SPRING CLIP FOR 2 AXES

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 010
DAMAGE CONTROL EQUIPMENT STOWAGE (SPRING CLIPS)
PAGE 1 OF 3



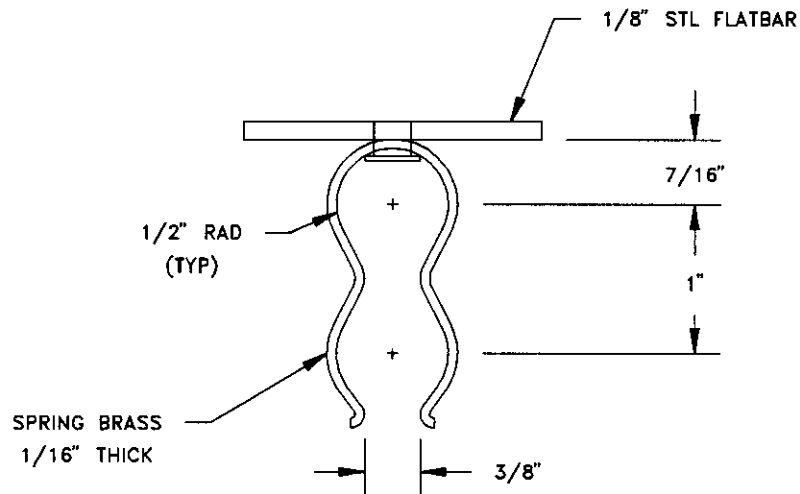
ELEVATION



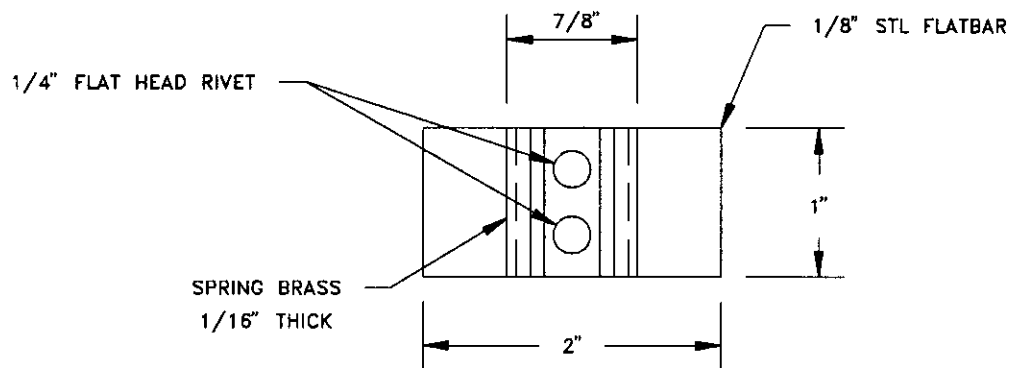
ELEVATION

SPRING CLIP

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 010
DAMAGE CONTROL EQUIPMENT STOWAGE (SPRING CLIPS)
PAGE 2 OF 3



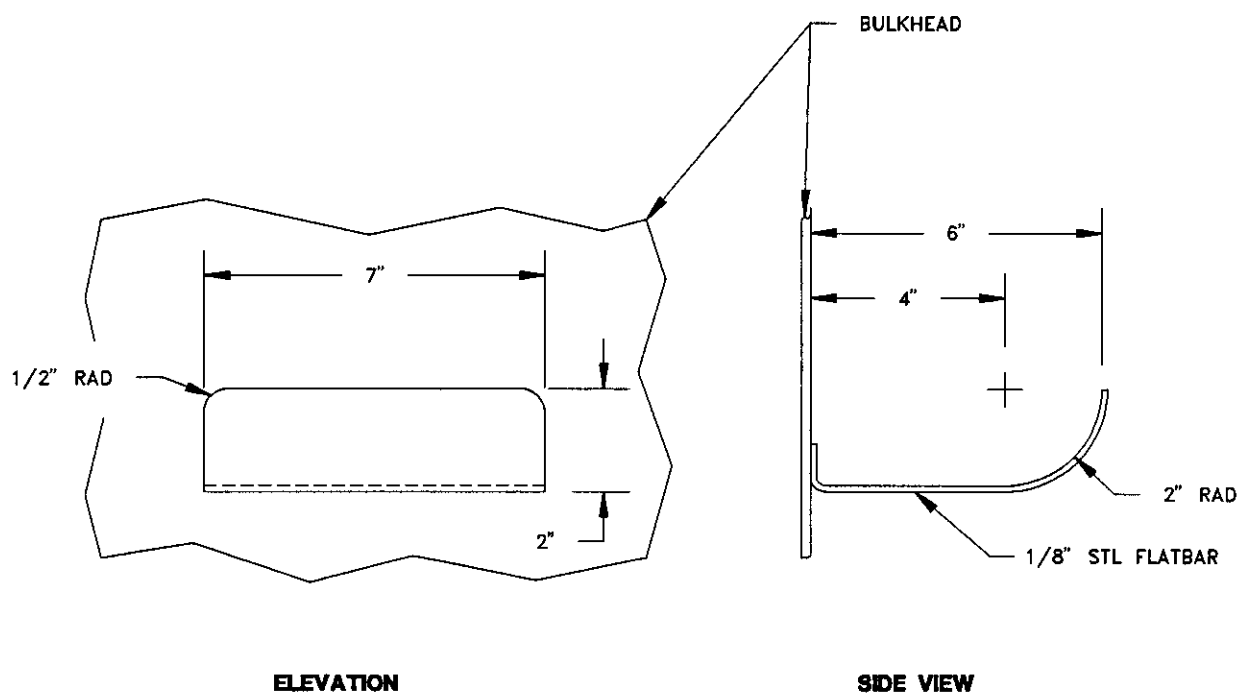
ELEVATION



ELEVATION

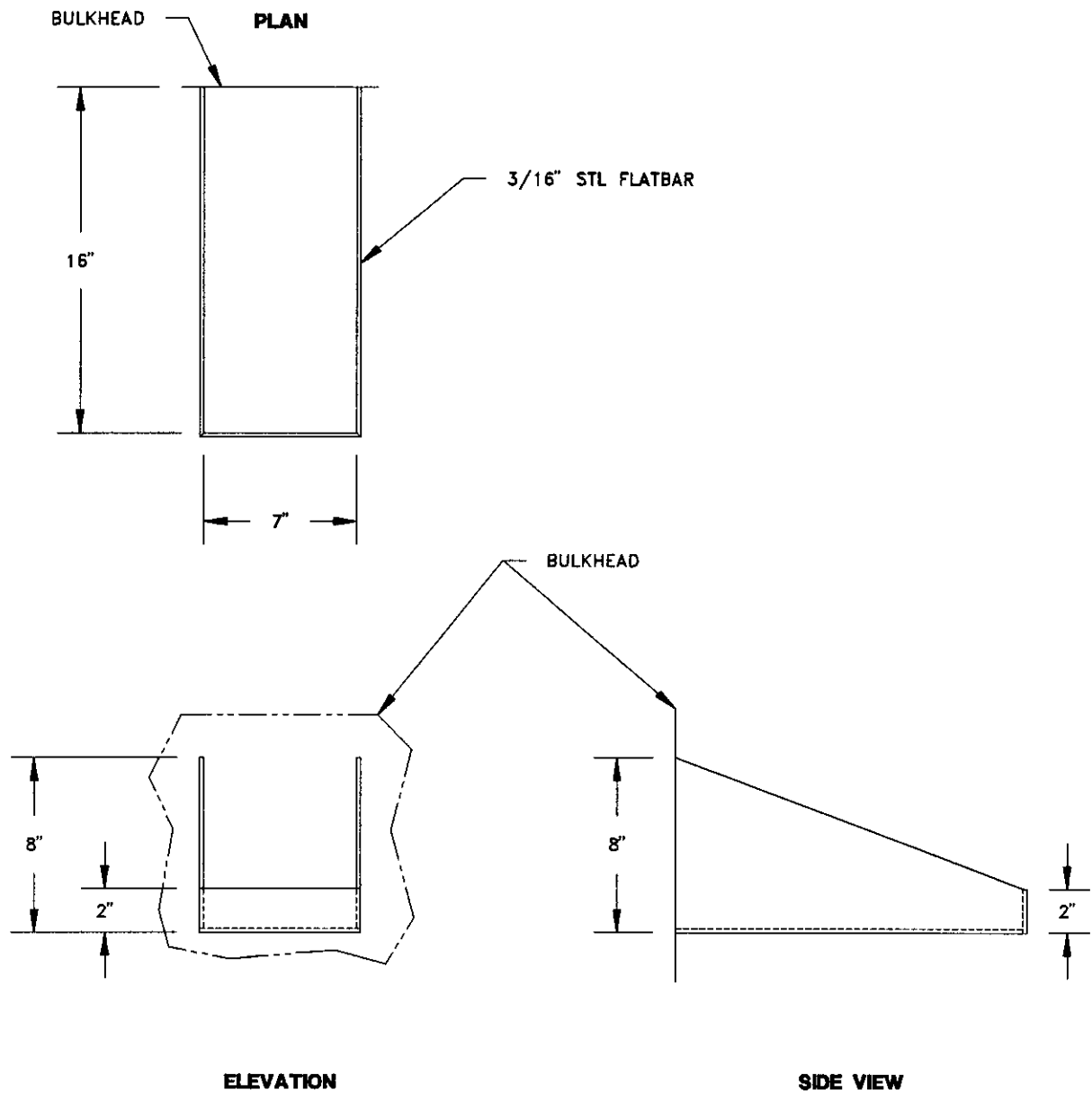
SPRING CLIP FOR 2 WRECK BARS

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 010
DAMAGE CONTROL EQUIPMENT STOWAGE (SPRING CLIPS)
PAGE 3 OF 3



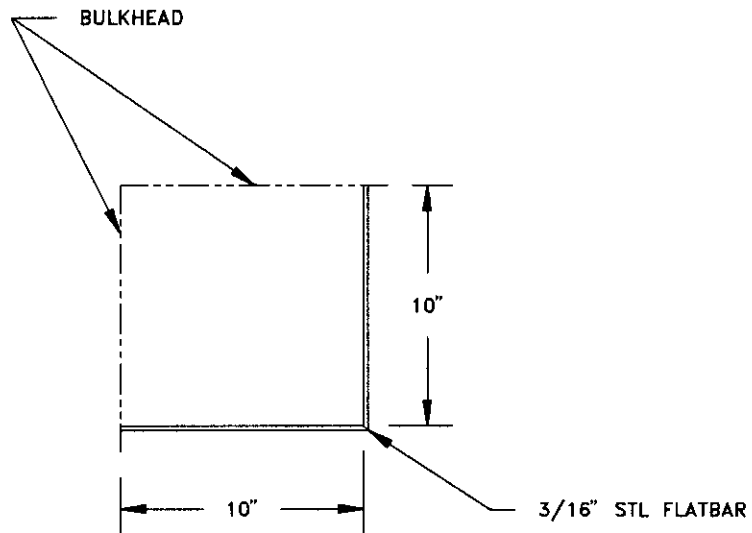
"L" SUPPORT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 011
DAMAGE CONTROL EQUIPMENT STOWAGE SUPPORT BRACKETS
PAGE 1 OF 4

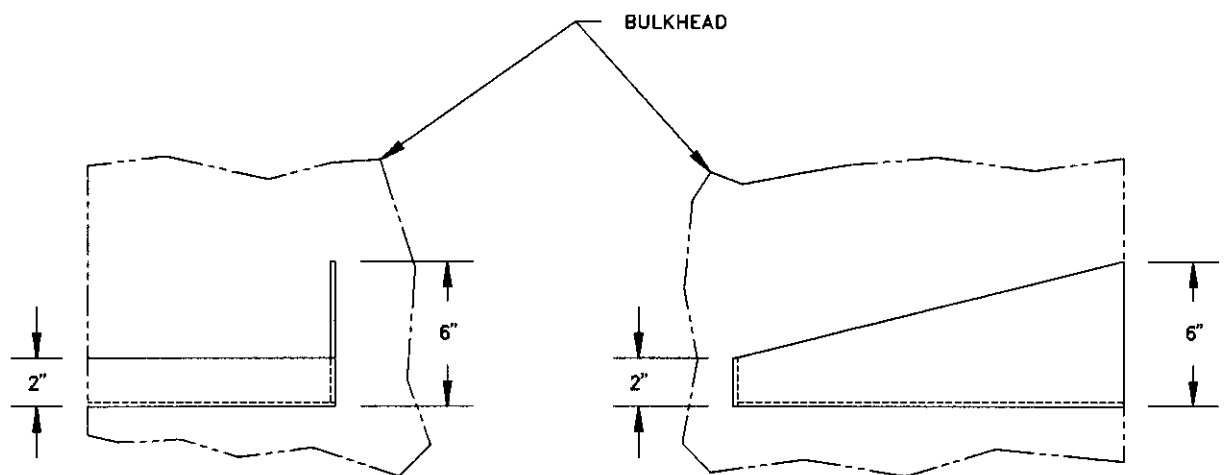


"P" SUPPORT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 011
DAMAGE CONTROL EQUIPMENT STOWAGE SUPPORT BRACKETS
PAGE 2 OF 4



PLAN

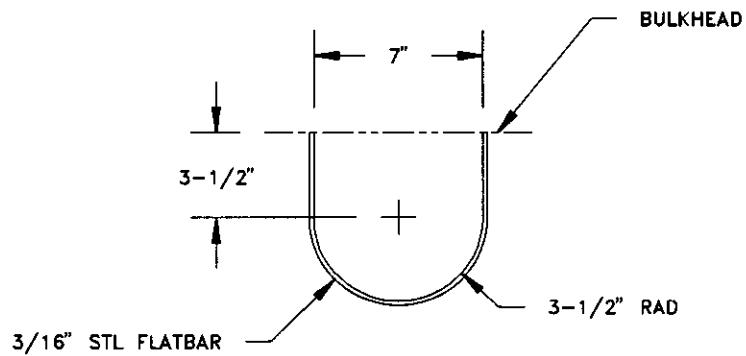


ELEVATION

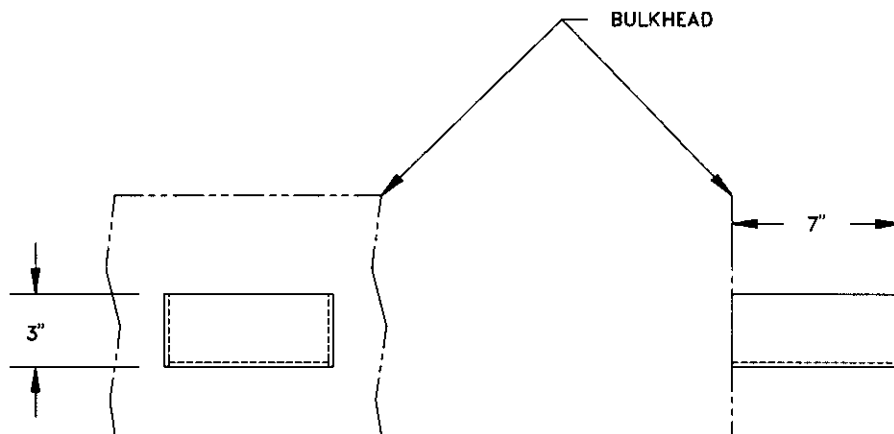
SIDE VIEW

"Q" SUPPORT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 011
DAMAGE CONTROL EQUIPMENT STOWAGE SUPPORT BRACKETS
PAGE 3 OF 4



PLAN

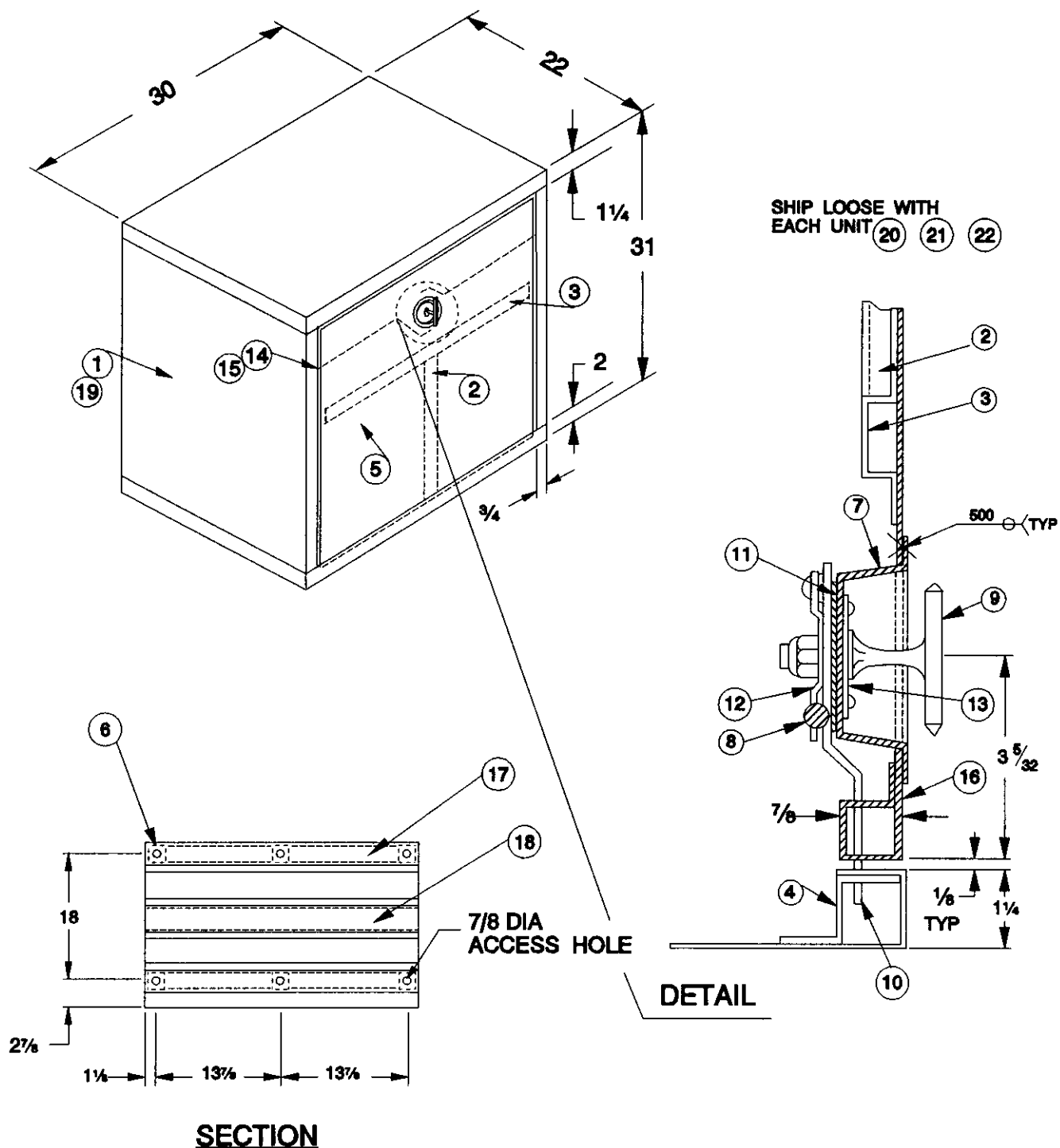


ELEVATION

SIDE VIEW

"R" SUPPORT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 011
DAMAGE CONTROL EQUIPMENT STOWAGE SUPPORT BRACKETS
PAGE 4 OF 4



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #012

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

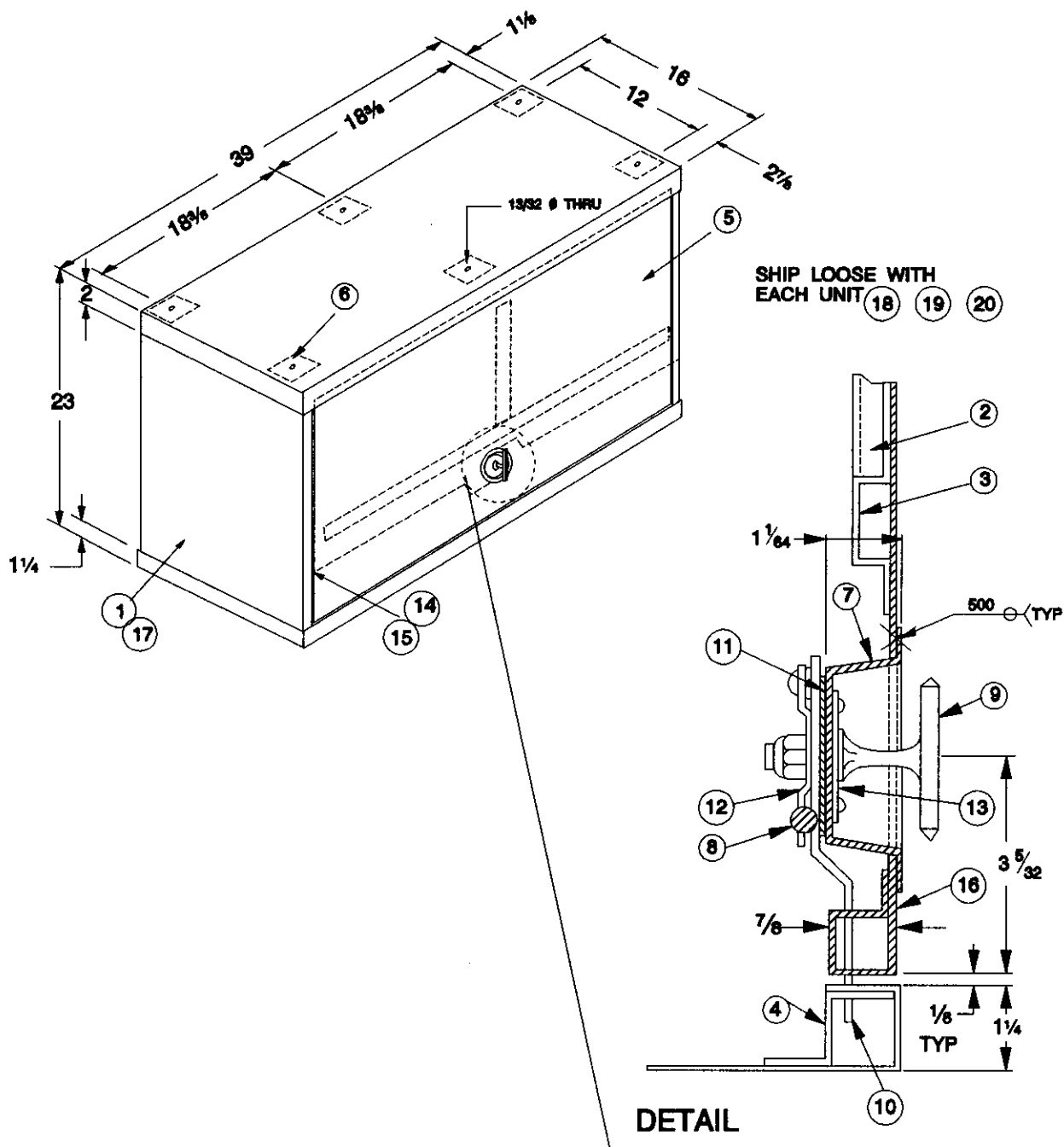
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR, VERT	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	STIFFENER DOOR	4	.050 ALUM 5052-H32
17	STIFFENER	2	.063 ALUM 5052-H32
18	STIFFENER	1	.063 ALUM 5052-H32
19	BUMPER	4	RUBBER
20	BOLT, H.HD. ⅜-16 1¼L	6	STEEL
21	NUT, SELF-LKG, ⅜-16	6	STEEL
22	WASHER, FLAT, ⅜ STD.	6	STEEL

GENERAL NOTES

1. UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
2. FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #012

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #013

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

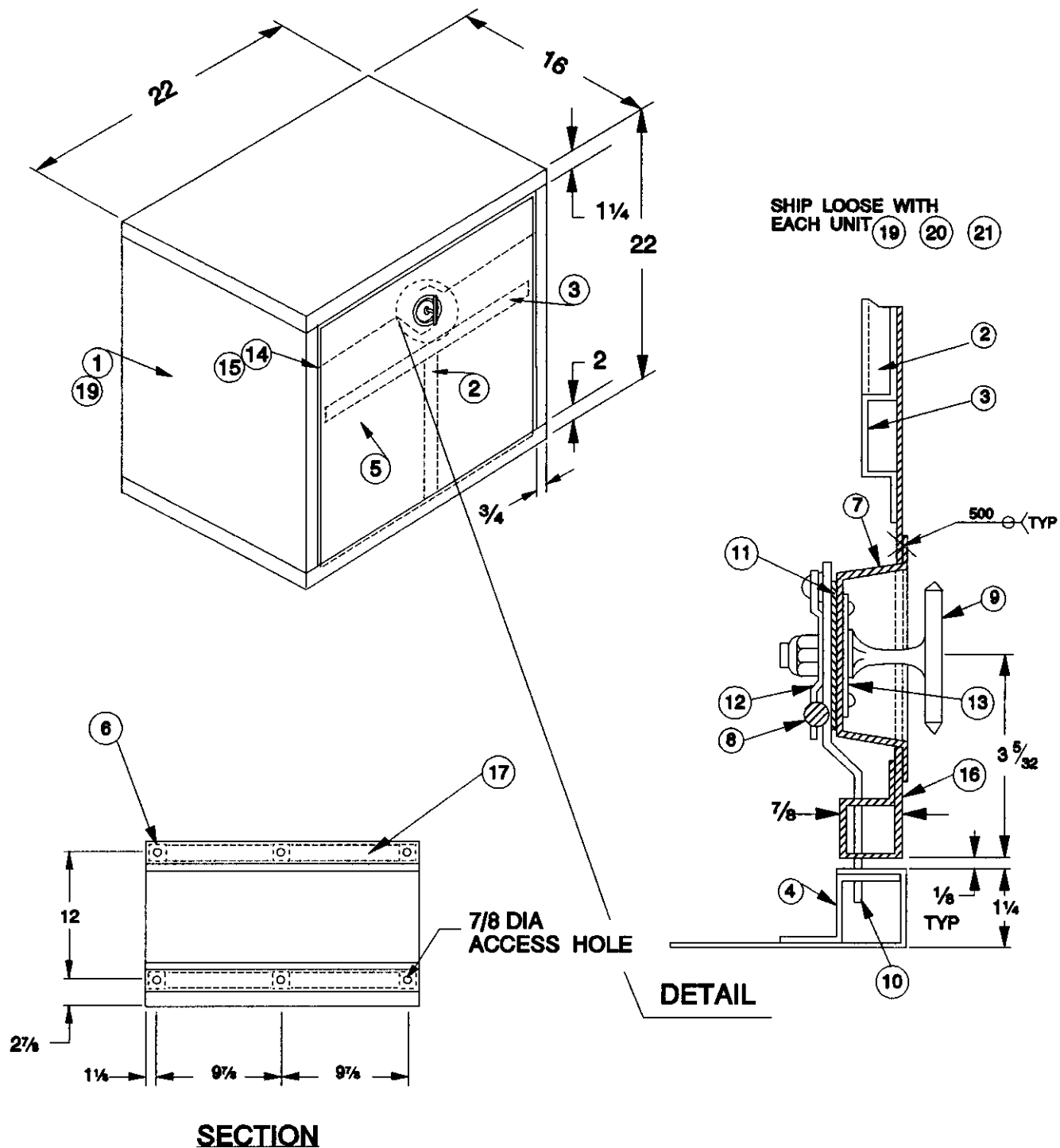
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR, VERT	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	DOOR/FRAME FERRULE	4	.050 ALUM 5052-H32
17	BUMPER	4	RUBBER
18	BOLT, H.HD. ⅝-16 1¼L	6	STEEL
19	NUT, SELF-LKG, ⅝-16	6	STEEL
20	WASHER, FLAT, ⅝ STD.	6	STEEL

GENERAL NOTES

1. UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
2. FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #013

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #014

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

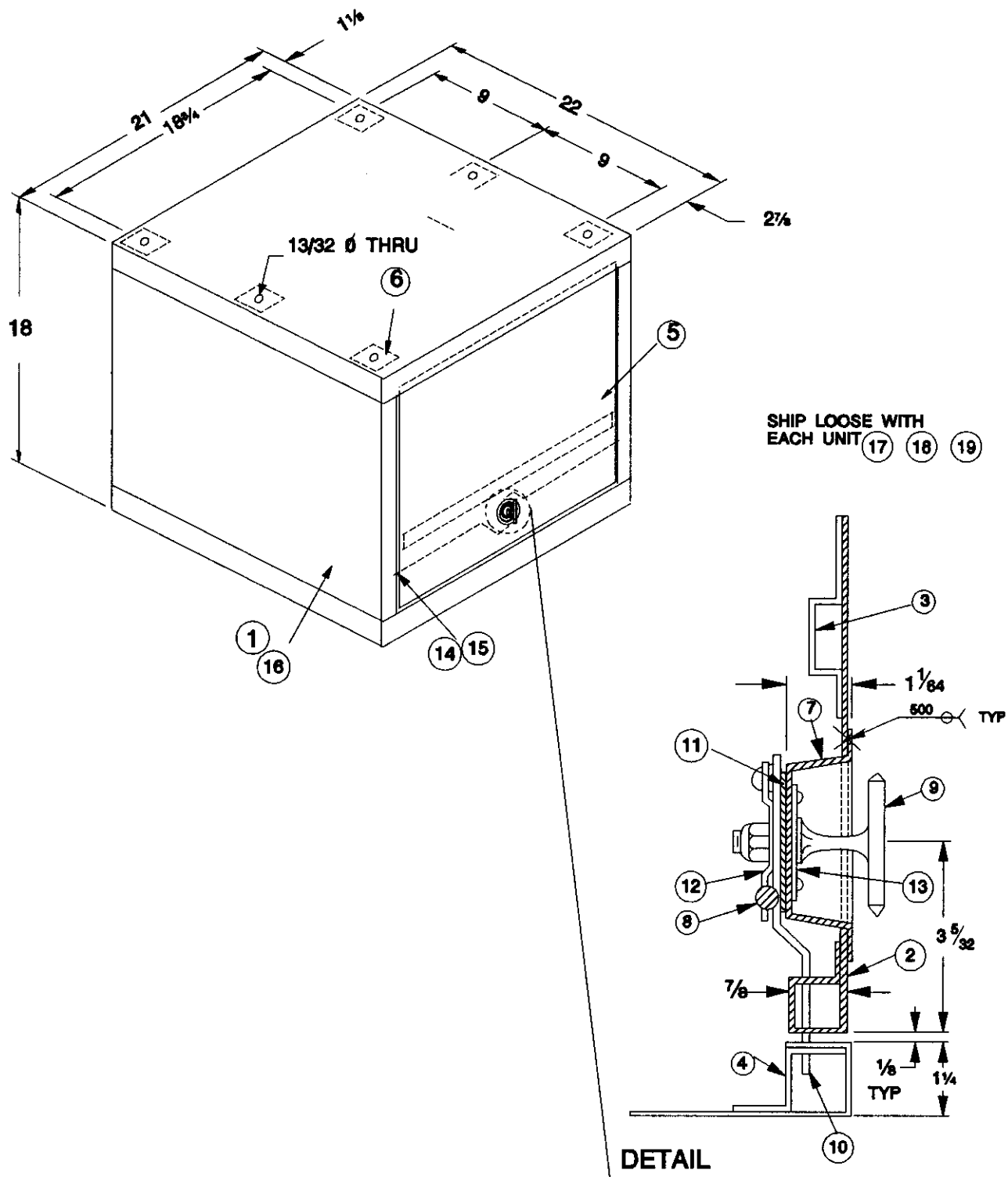
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR, VERT	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	STIFFENER DOOR	4	.050 ALUM 5052-H32
17	STIFFENER	4	.063 ALUM 5052-H32
18	BUMPER	4	RUBBER
19	BOLT, H.HD. ⅝-16 1¼L	6	STEEL
20	NUT, SELF-LKG, ⅝-16	6	STEEL
21	WASHER, FLAT, ⅝ STD.	6	STEEL

GENERAL NOTES

1. UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
2. FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #014

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #015

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

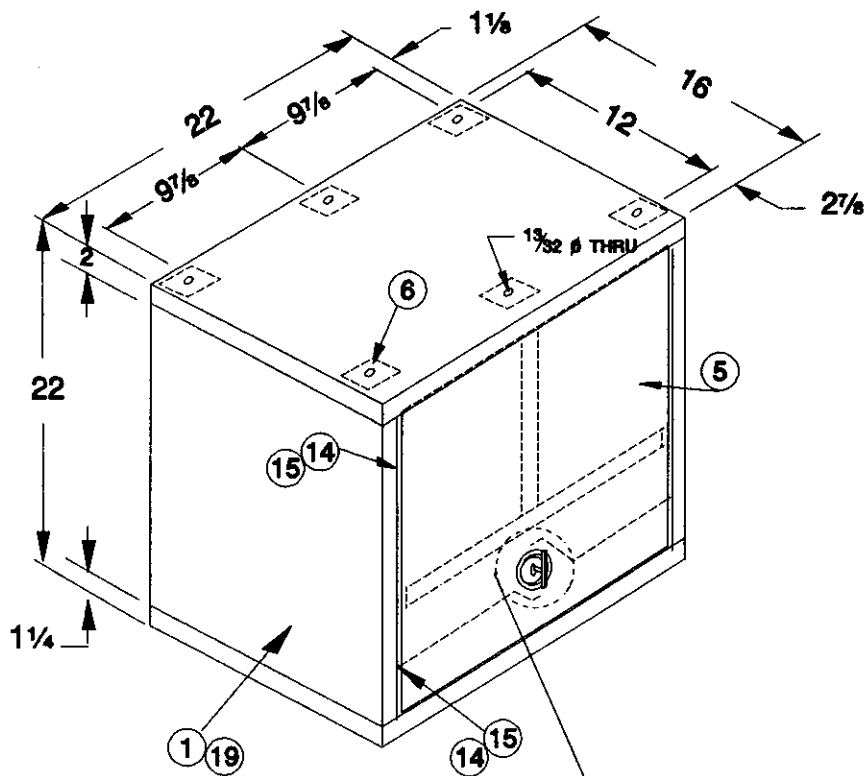
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	BUMPER	4	RUBBER
17	BOLT, H.HD. ⅝-16 1¼L	6	STEEL
18	NUT, SELF-LKG, ⅝-16	6	STEEL
19	WASHER, FLAT, ⅝ STD.	6	STEEL

GENERAL NOTES

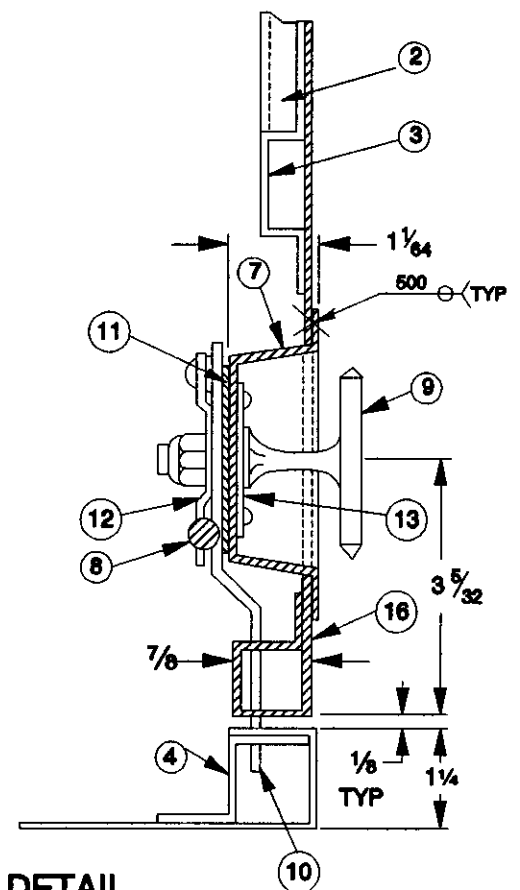
1. UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
2. FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #015

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



SHIP LOOSE WITH
EACH UNIT 18 19 20



DETAIL

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #016

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

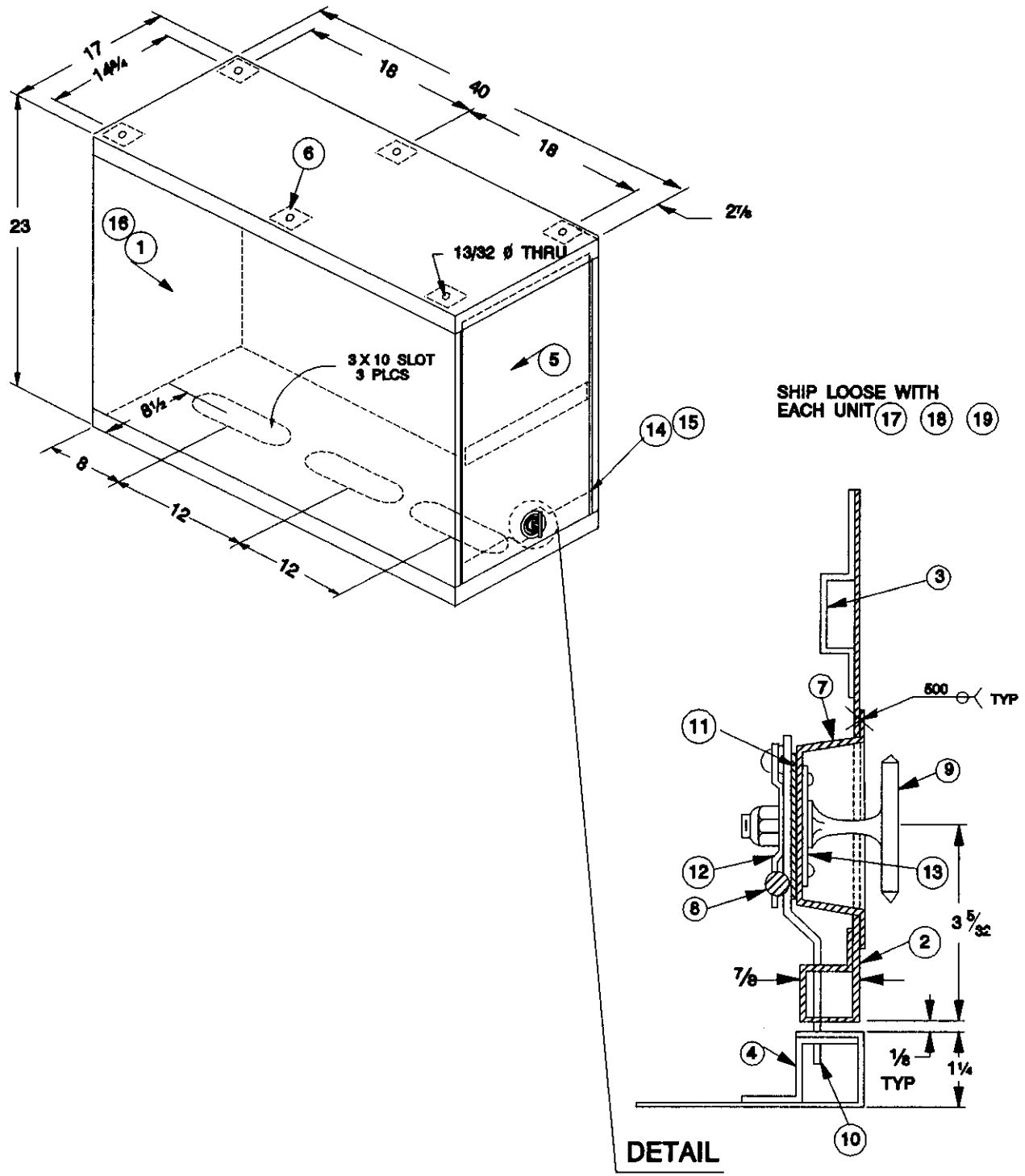
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR, VERT	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	STIFFENER DOOR	4	.050 ALUM 5052-H32
17	BUMPER	4	RUBBER
18	BOLT, H.HD. ⅝-16 1¼L	6	STEEL
19	NUT, SELF-LKG, ⅝-16	6	STEEL
20	WASHER, FLAT, ⅝ STD.	6	STEEL

GENERAL NOTES

1. UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
2. FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #016

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #017

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

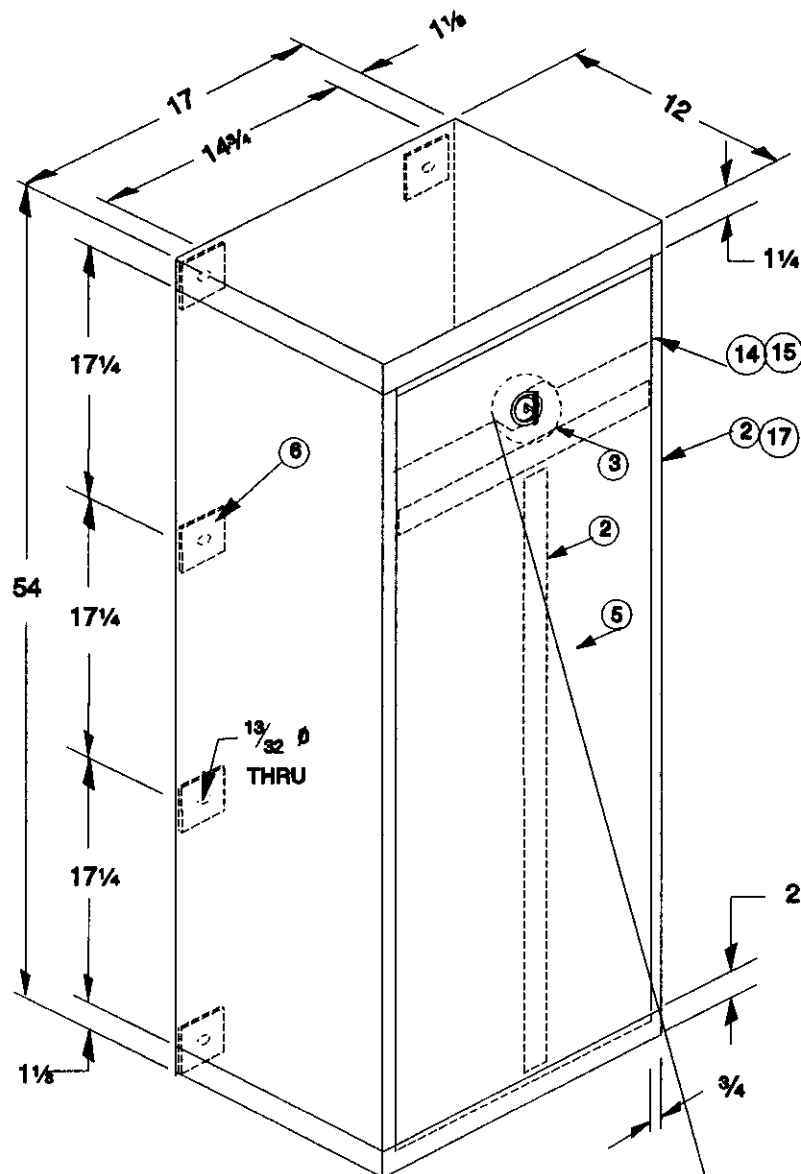
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	BUMPER	4	RUBBER
17	BOLT, H.HD. ⅜-16 1¼L	6	STEEL
18	NUT, SELF-LKG, ⅜-16	6	STEEL
19	WASHER, FLAT, ⅜ STD.	6	STEEL

GENERAL NOTES

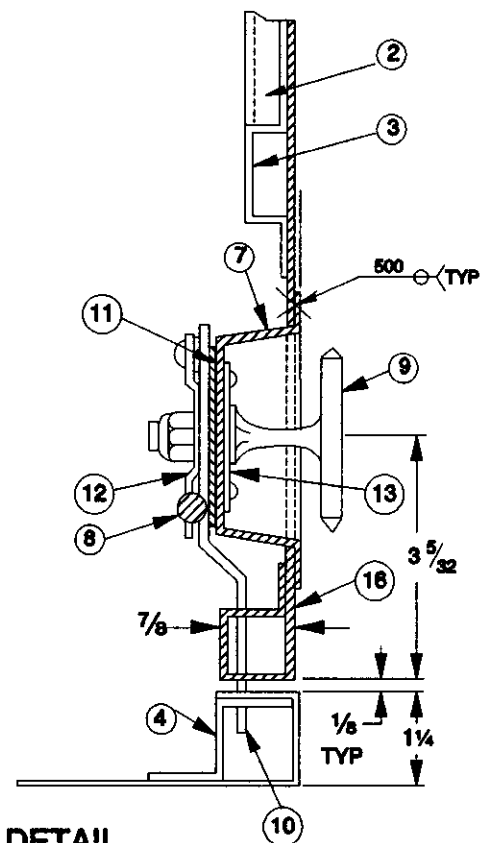
- UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
- FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #017

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



SHIP LOOSE WITH
EACH UNIT 18 19 20



DETAIL

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #018

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

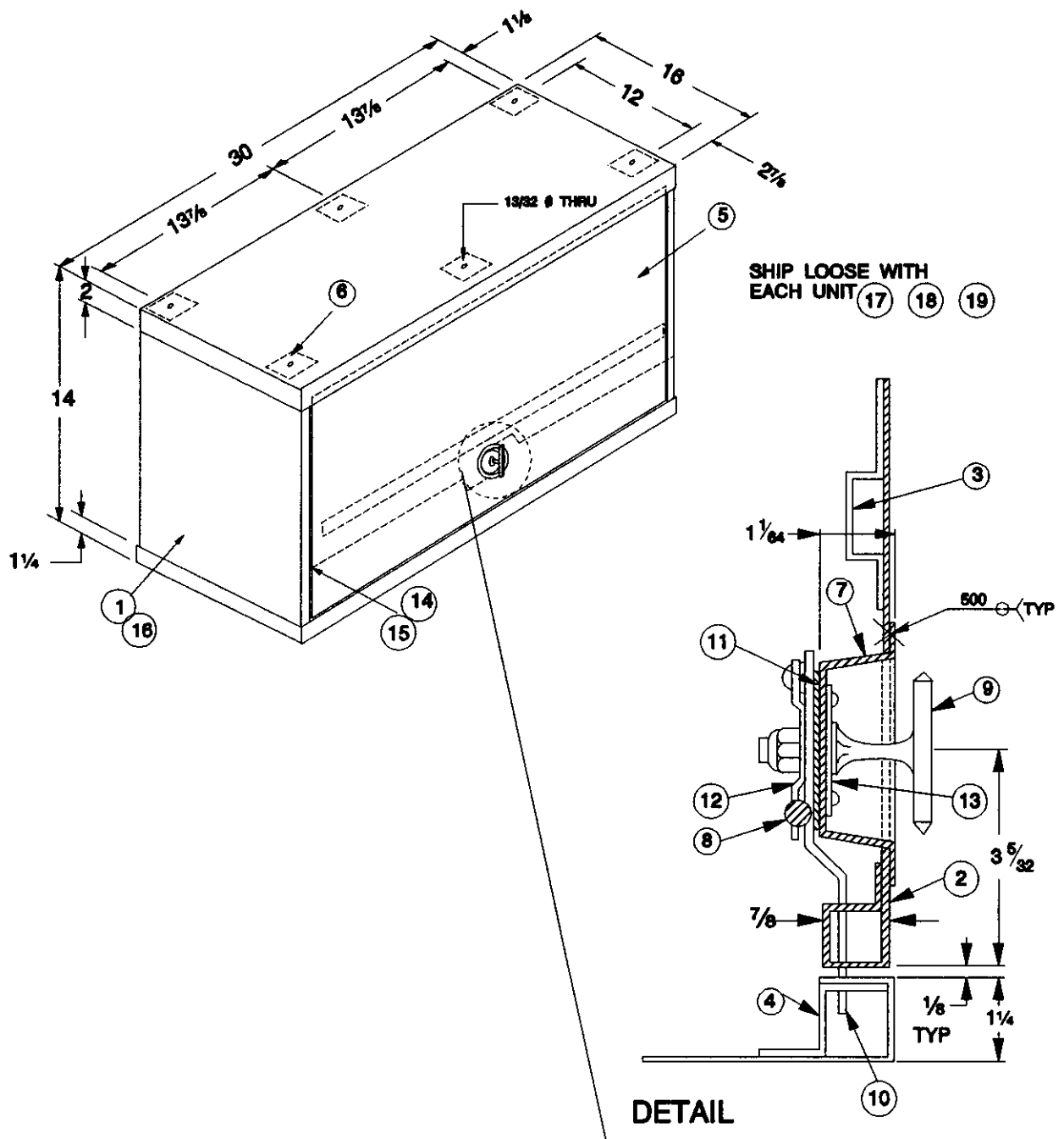
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR, VERT	1	.063 AL. 5052-H32
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	8	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	STIFFENER DOOR	4	.050 ALUM 5052-H32
17	BUMPER	4	RUBBER
18	BOLT, H.HD. ⅜-16	8	STEEL 1 ¼ L
19	NUT, SELF-LKG, ⅜-16	8	STEEL
20	WASHER, FLAT, ⅜ STD.	8	STEEL

GENERAL NOTES

- UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
- FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #018

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #019

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

LIST OF MATERIAL

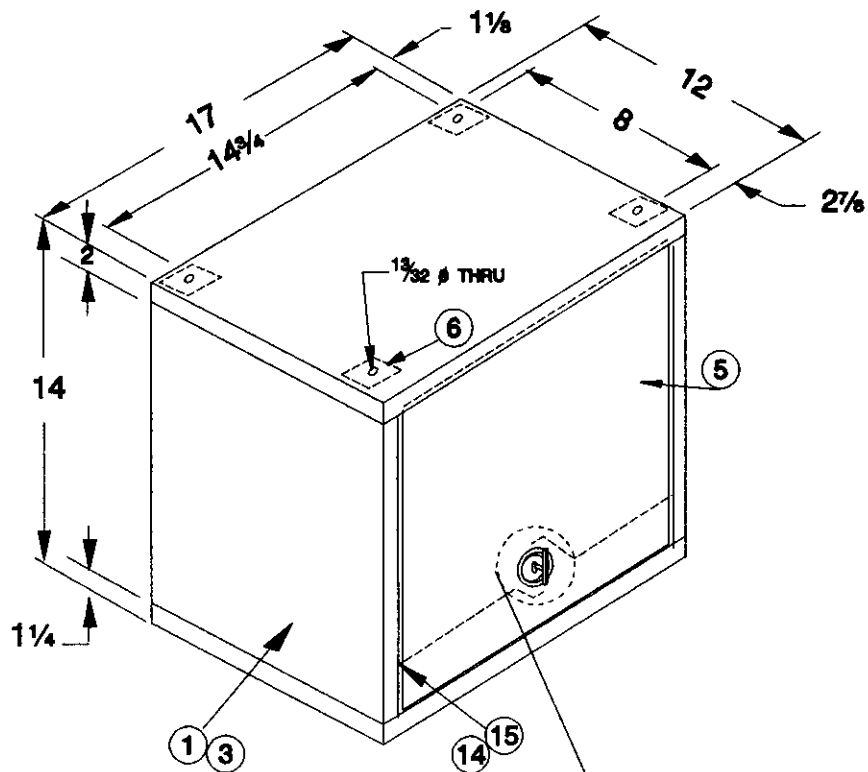
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR	4	.050 ALUM
3	STIFFENER, DOOR, HORZ	1	.063 AL. 5052-H32
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	6	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	BUMPER	4	RUBBER
17	BOLT, H.HD. ⅝-16	6	STEEL 1¼L
18	NUT, SELF-LKG, ⅝-16	6	STEEL
19	WASHER, FLAT, ⅝ STD.	6	STEEL

GENERAL NOTES

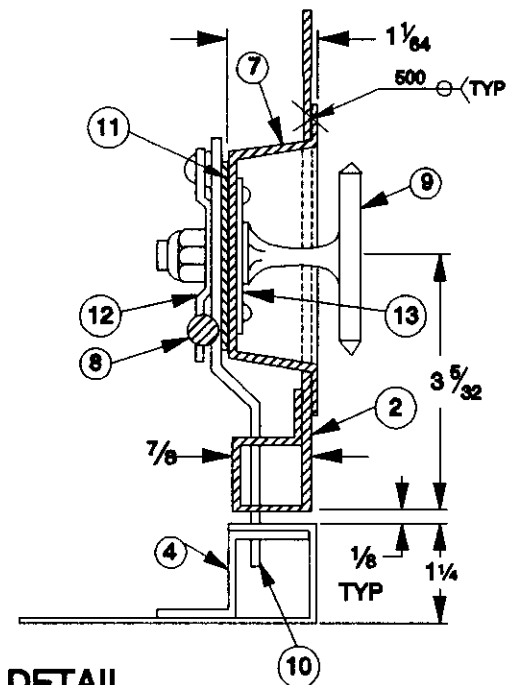
- UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
- FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #019

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



SHIP LOOSE WITH
EACH UNIT (16) (17) (18)



DETAIL

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #020

DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT

Page 1 of 2

LIST OF MATERIAL

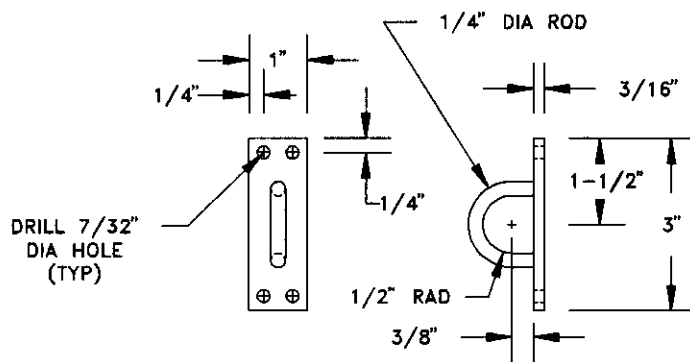
NO.	DESCRIPTION	Qty.	MATERIAL
1	LOCKER	1	.063 AL. 5052-H32
2	STIFFENER, DOOR	4	.050 AL 5052-H32
3	BUMPER	4	RUBBER
4	STIFFENER, LOCKER	4	.063 AL. 5052-H32
5	DOOR	1	.050 AL 5052-H32
6	REINF. PAD 2X2	4	¼ THK ALUM.
7	RECESS CUP	1	.050 ALUM
8	LOCK ROD	2	5/16 Ø SPADE BOLT, STEEL
9	TEE HANDLE	1	S3200-860055, PC# 13
10	LKG DVC PLATE	1	11 GA CRES
11	LKG DVC CAM	1	12 GA CREW
12	LKG DVC STRAP	1	16 GA CRES
13	ESCUTCHEON	1	20 GA CRES
14	DOOR FERRULE	2	HEYCO 58-500-5
15	DOOR/FRAME FERRULE	4	HEYCO 58-500-6
16	BOLT, H.HD. ¾-16	4	STEEL 1 ¼ L
17	NUT, SELF-LKG, ¾-16	4	STEEL
18	WASHER, FLAT, ¾ STD.	4	STEEL

GENERAL NOTES

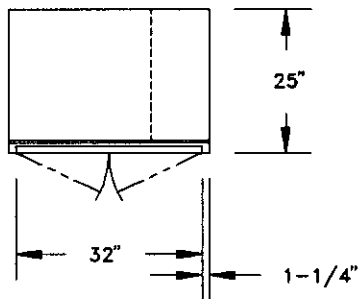
1. UNIT APPROVED FOR GRADE "B" SHOCK SUPSHIP BATH APPROVAL SER# 250P/2614 DATED 26 MAR 1991.
2. FOR STOWAGE OF ANY ONE OF THE FOLLOWING DAMAGE CONTROL EQUIPMENT:
 - OBA CANISTER / 1 CARTON
 - LIFE JACKET
 - GAS MASK
 - GAS FREE EQUIPMENT
 - INVESTIGATOR'S EQUIPMENT

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #020

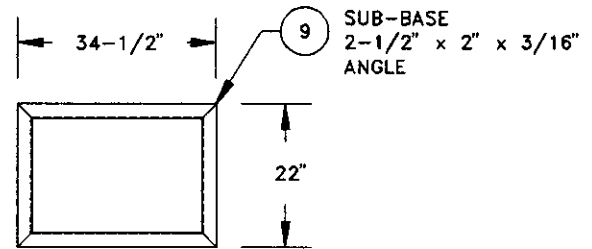
DAMAGE CONTROL LOCKER, VARIOUS EQUIPMENT



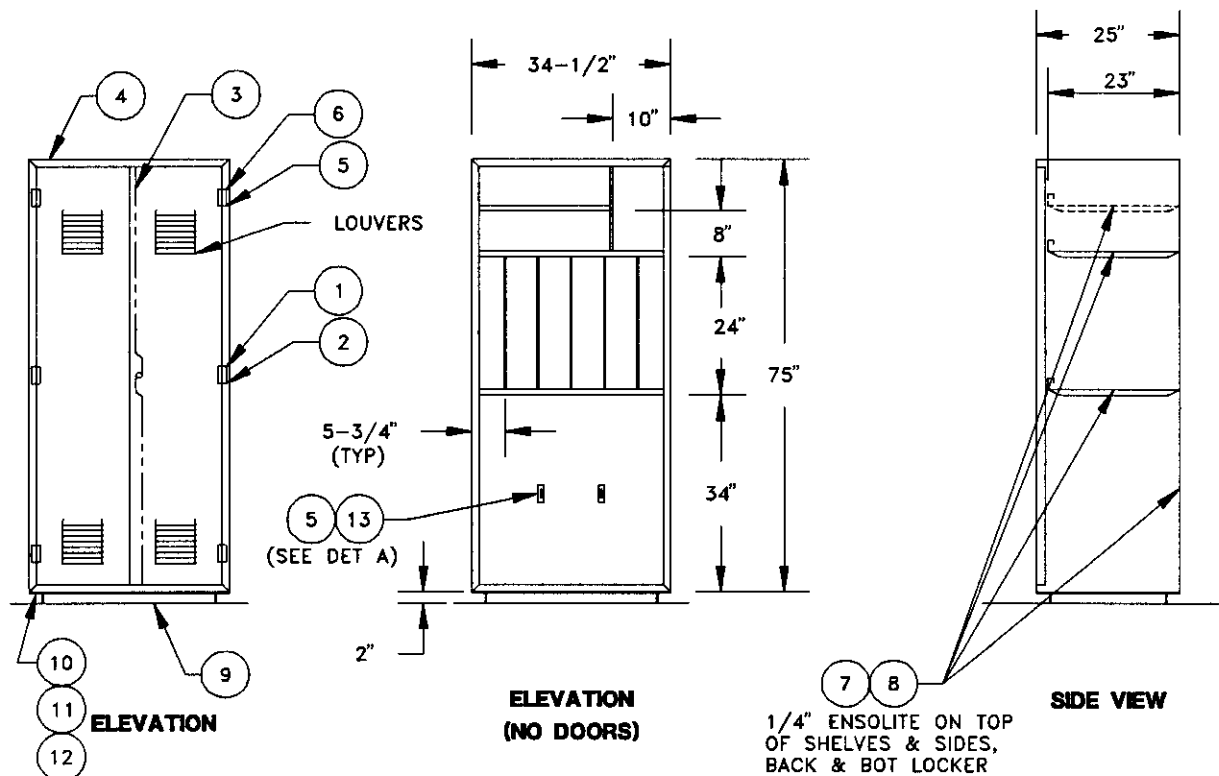
DETAIL A



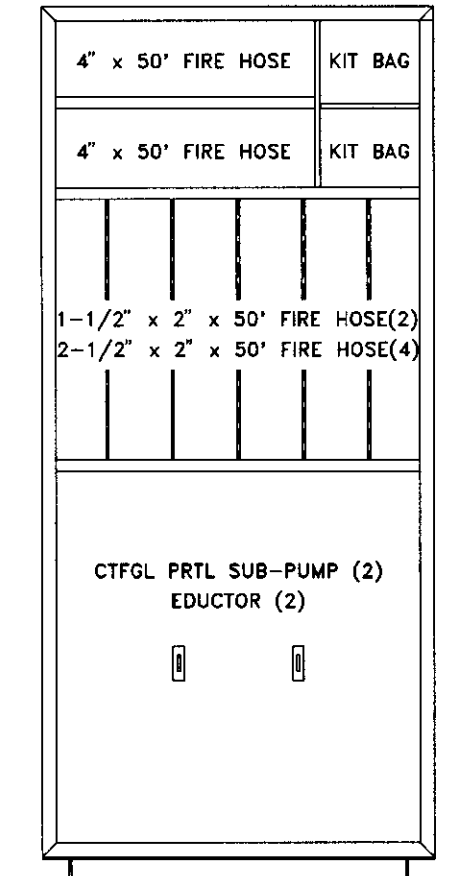
PLAN



PLAN (SUB-BASE)



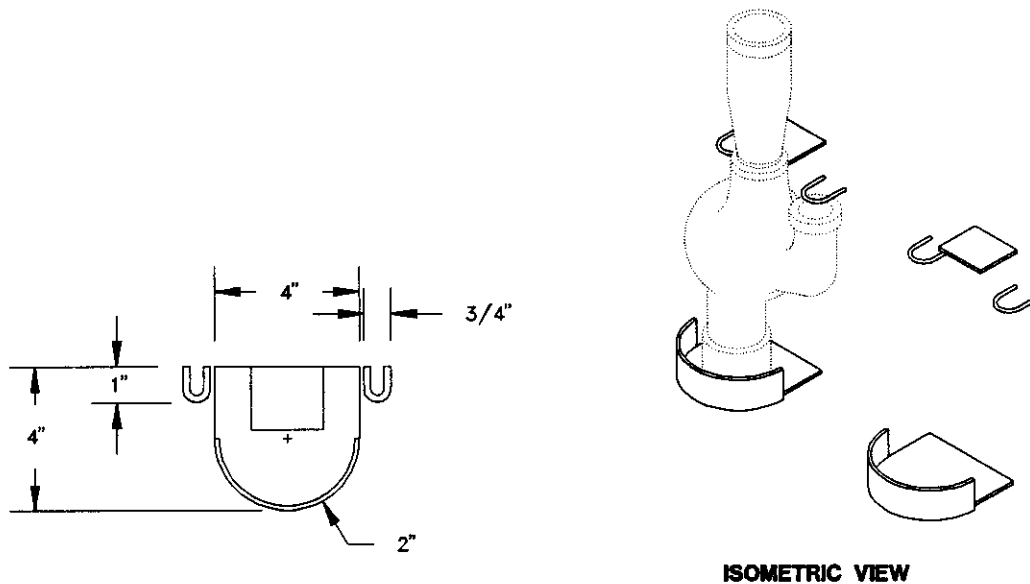
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 021
DEWATERING KIT STOWAGE LOCKER
PAGE 1 OF 3



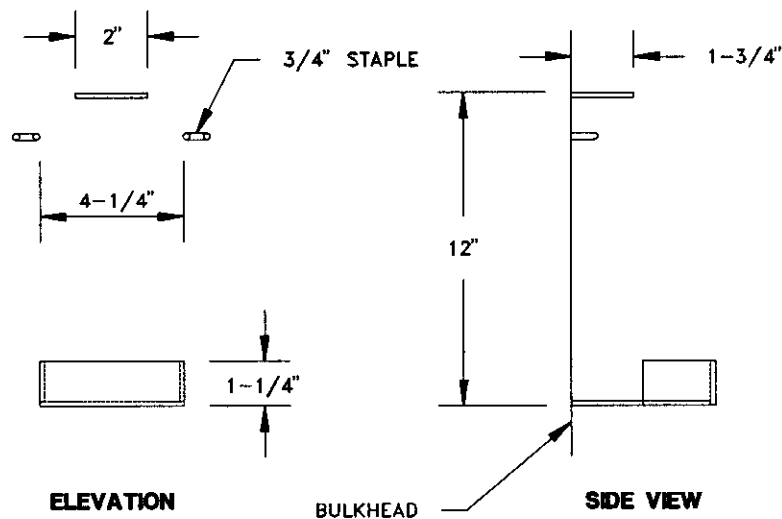
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 021
DEWATERING KIT STOWAGE LOCKER
PAGE 2 OF 3

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
6	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
6	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY64, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
36	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
12	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		
AS REQ'D	7	1/4" ENSOLITE	TY III RUBBER		MIL-P-15280
AS REQ'D	8	BONDING AGENT	CEMENT		MIL-A-24179
12LF	9	ANGLE, BASE, 2-1/2" x 2" x 3/16"	MED STL		
24	10	BOLT, 1/4"-20UNC 2A	STL (ZINC COAT)		L-3/4"
24	11	NUT, HEX 1/4"-20UNC 2B	STL (ZINC COAT)		TACK WELD TO PT # 9 IN SHOP
24	12	WASHER, LOCK	STL (ZINC COAT)		
6	13	LASHING STAPLE	MED STL		SEE DETAIL D

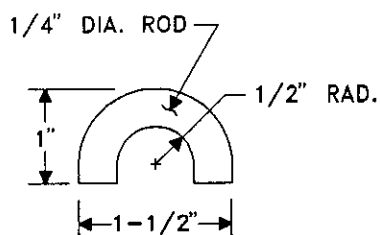
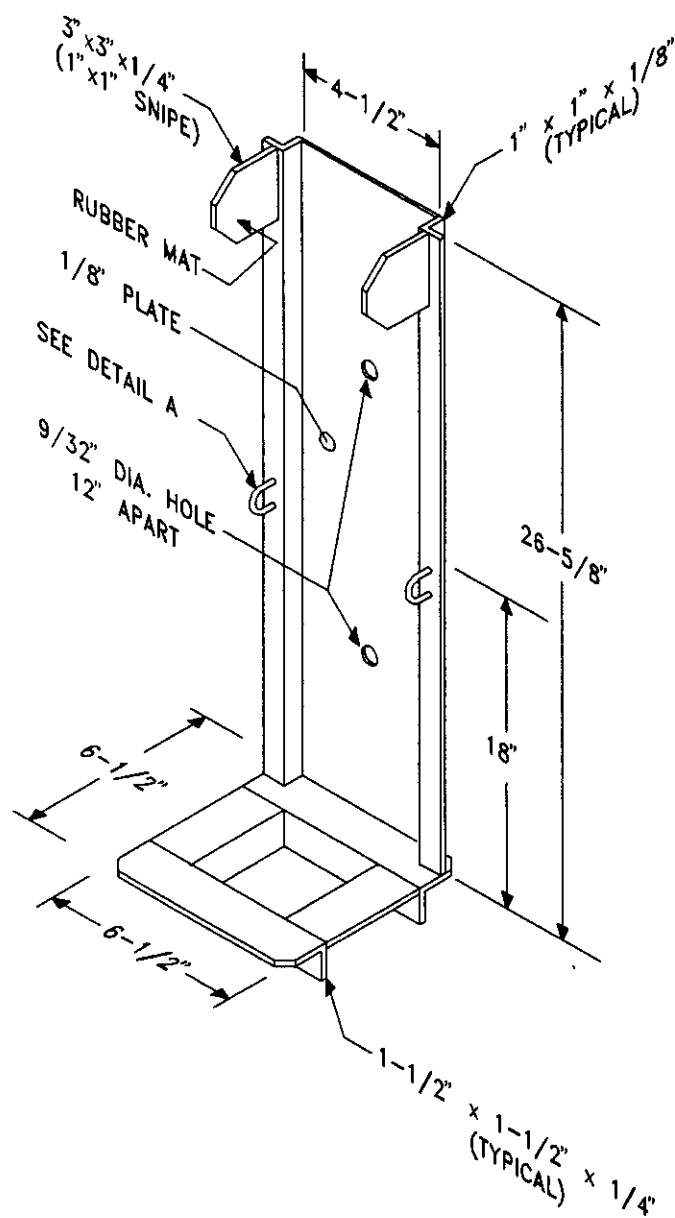
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 021
DEWATERING KIT STOWAGE LOCKER
PAGE 3 OF 3



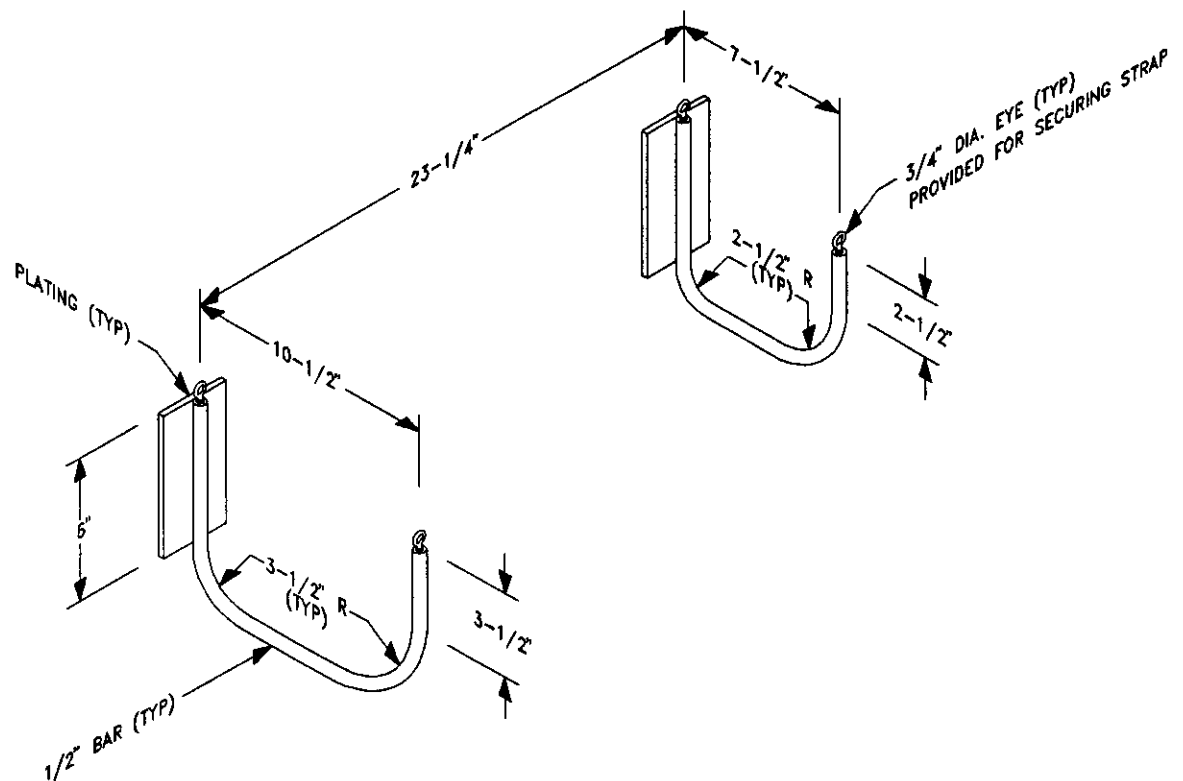
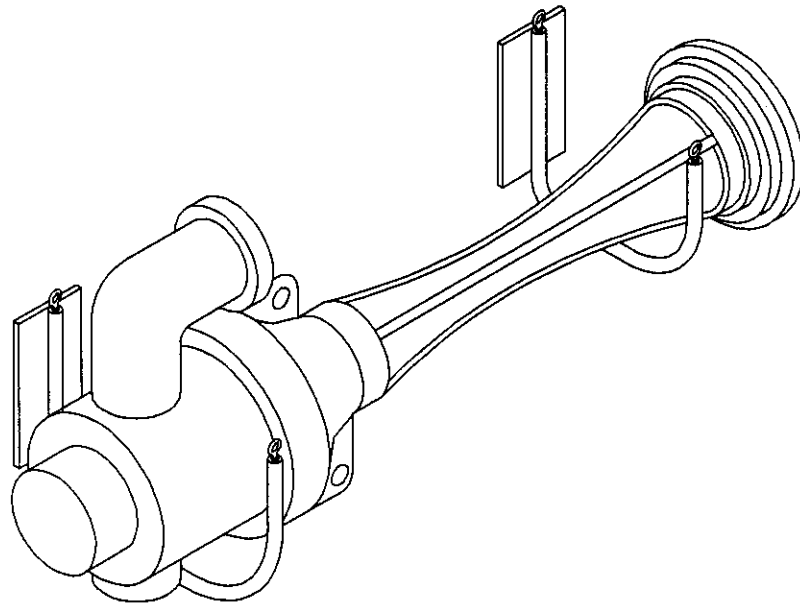
PLAN



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 022
EDUCTOR, (1-1/2")
VERTICAL STOWAGE BRACKET

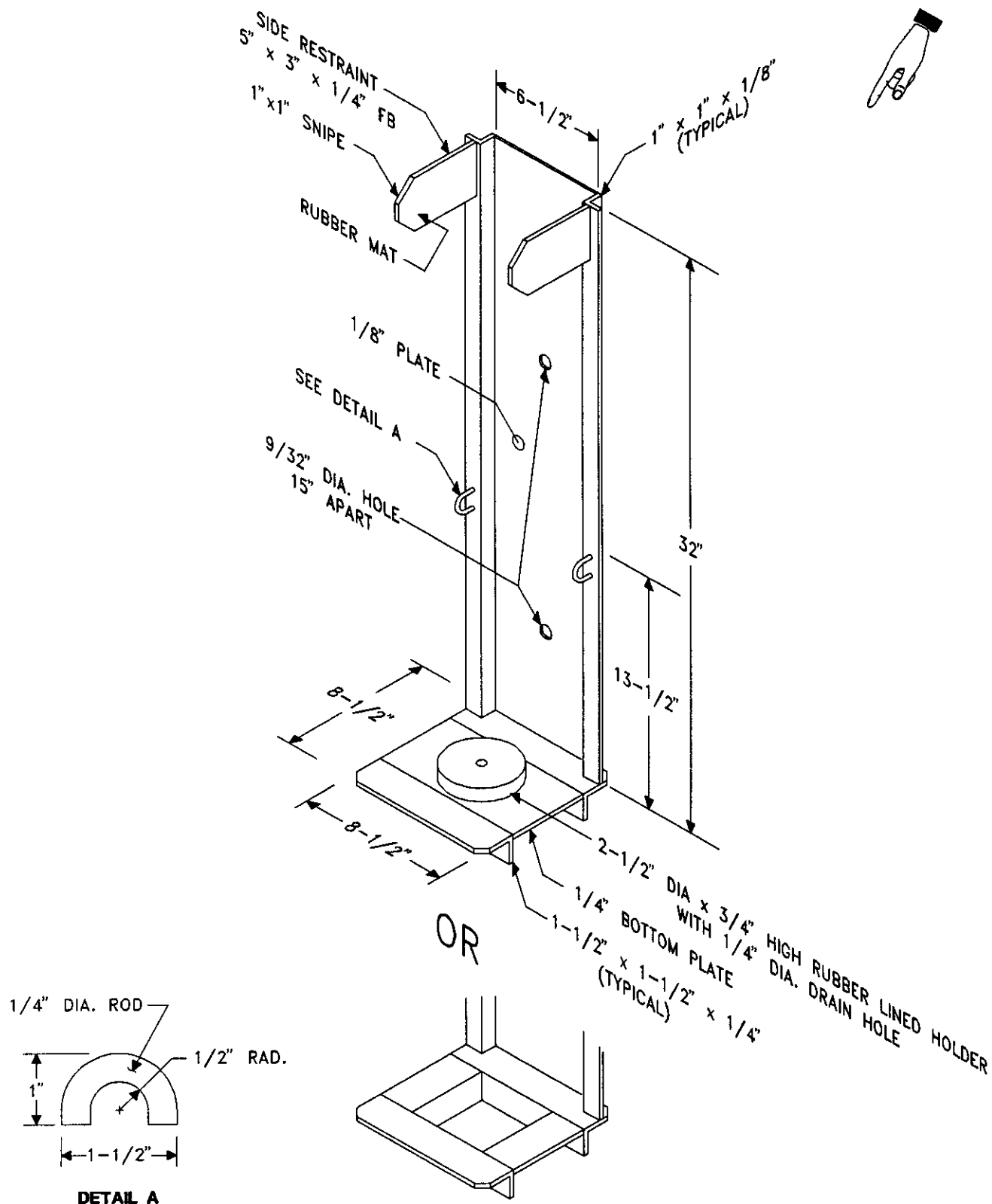


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 023
EDUCTOR, (1-1/2") VERTICAL STOWAGE RACK

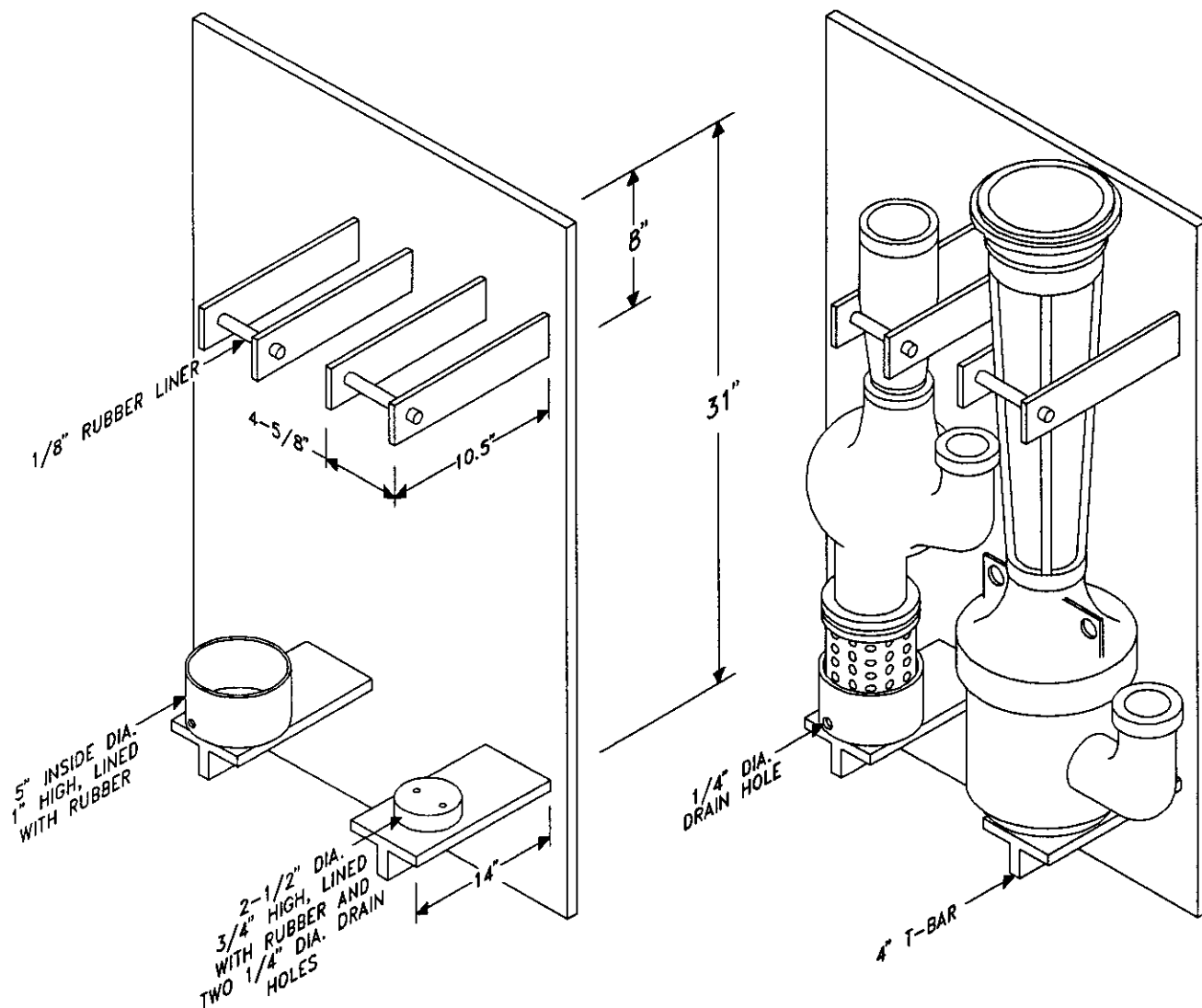


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 024
EDUCTOR, (2-1/2") PERI-JET
HORIZONTAL STOWAGE

REVISED
SKETCH

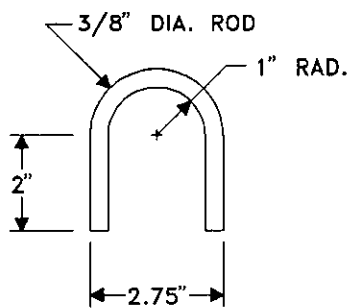
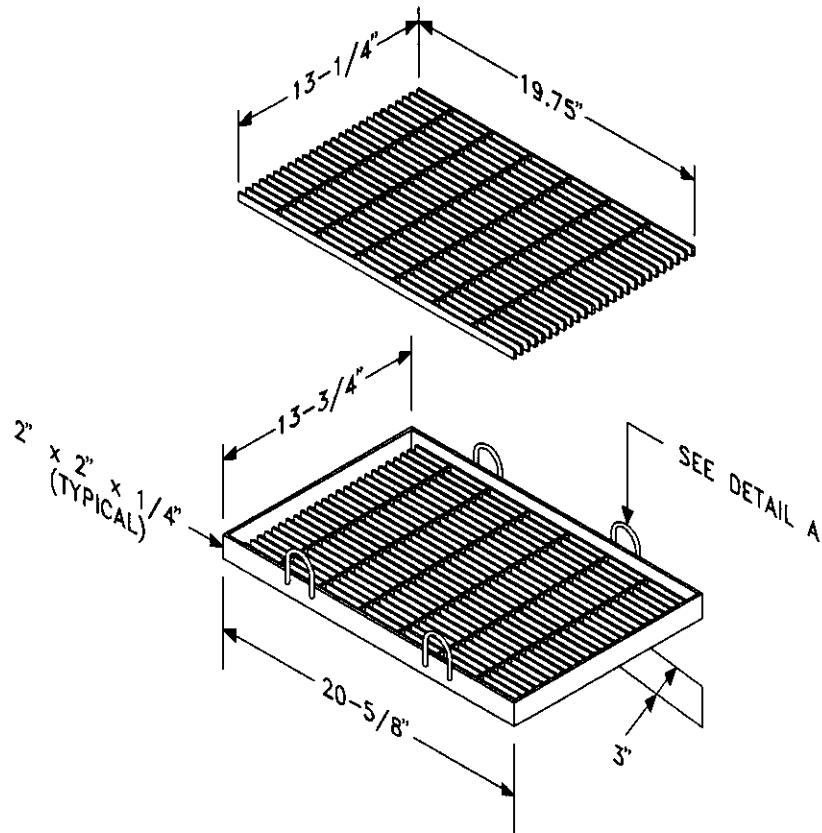


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 025
EDUCTOR, (2-1/2") PERI-JET
VERTICAL STOWAGE RACK



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 026
EDUCTOR/PERI-JET, (1-1/2" / 2-1/2")
VERTICAL STOWAGE RACK

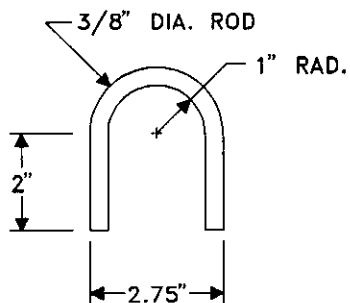
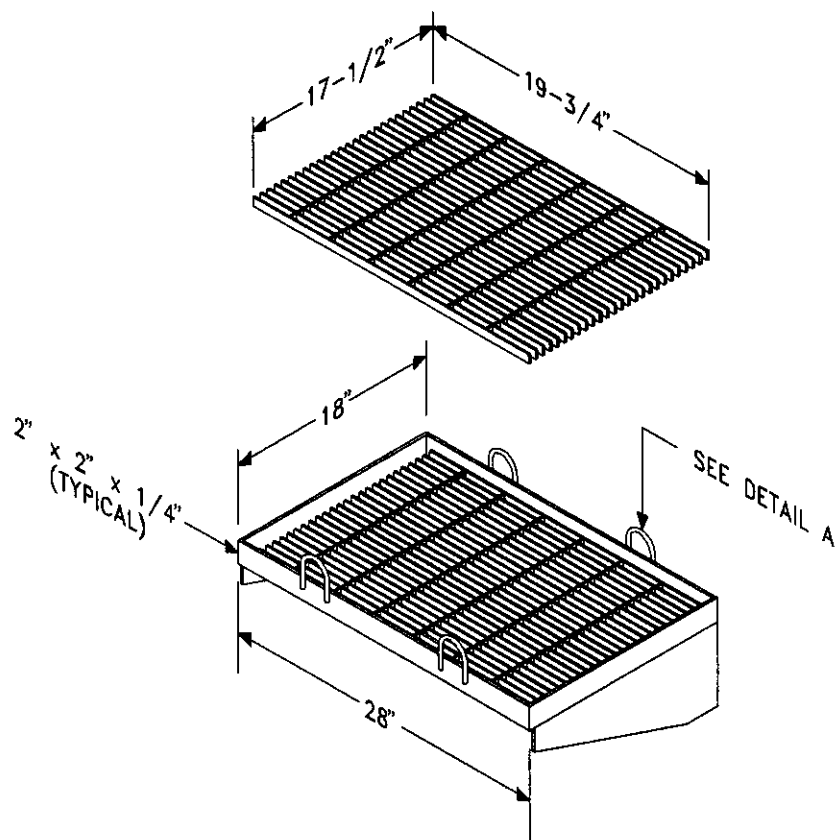
TUBEAXIAL FAN STOWAGE



DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 027
FAN STOWAGE, (DCRS), TUBEAXIAL
BHD MOUNTED (GRATING)

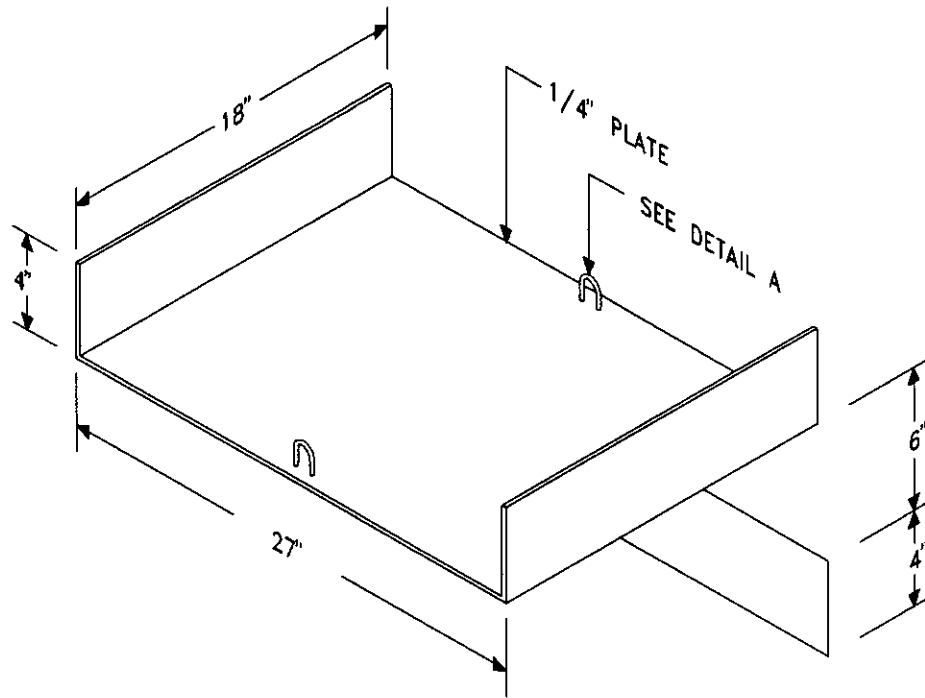
RED DEVIL FAN STOWAGE



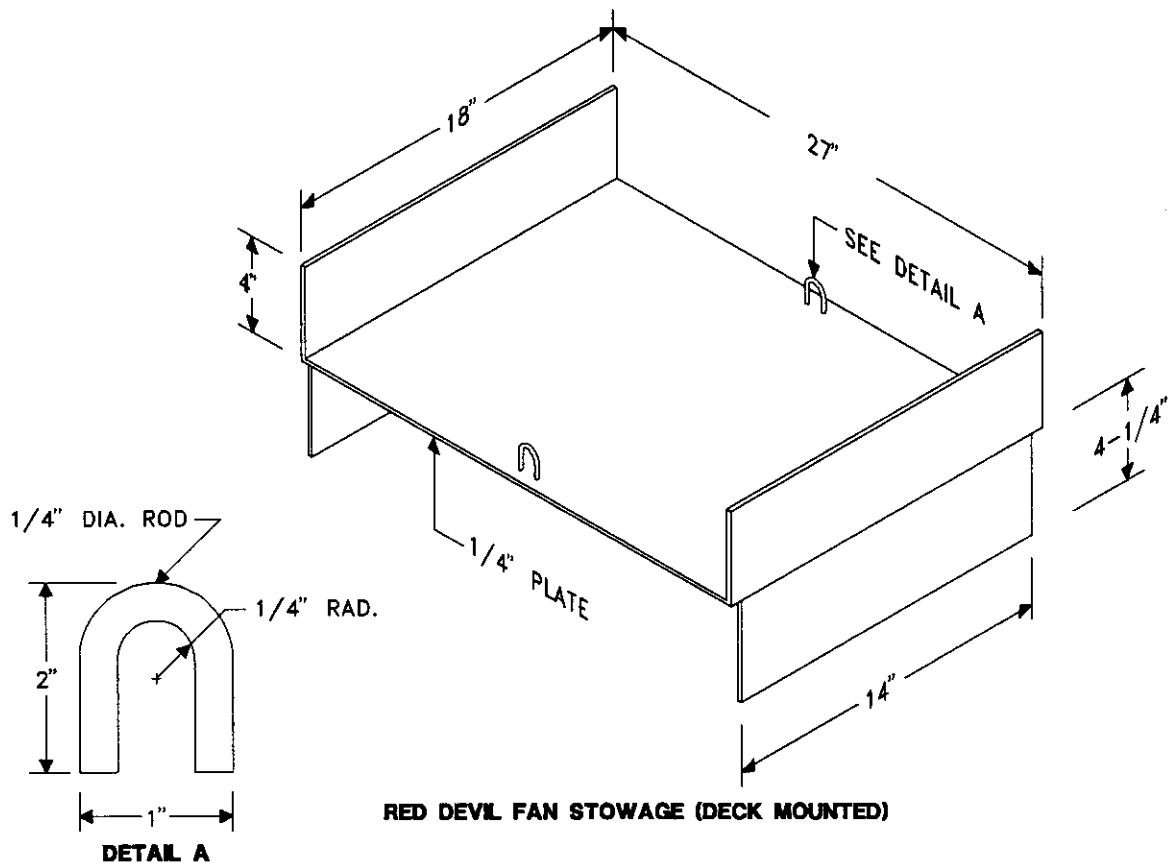
DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 028

**FAN STOWAGE RED DEVIL
BHD MOUNTED (GRATING)**



RED DEVIL FAN STOWAGE (BHD MOUNTED)

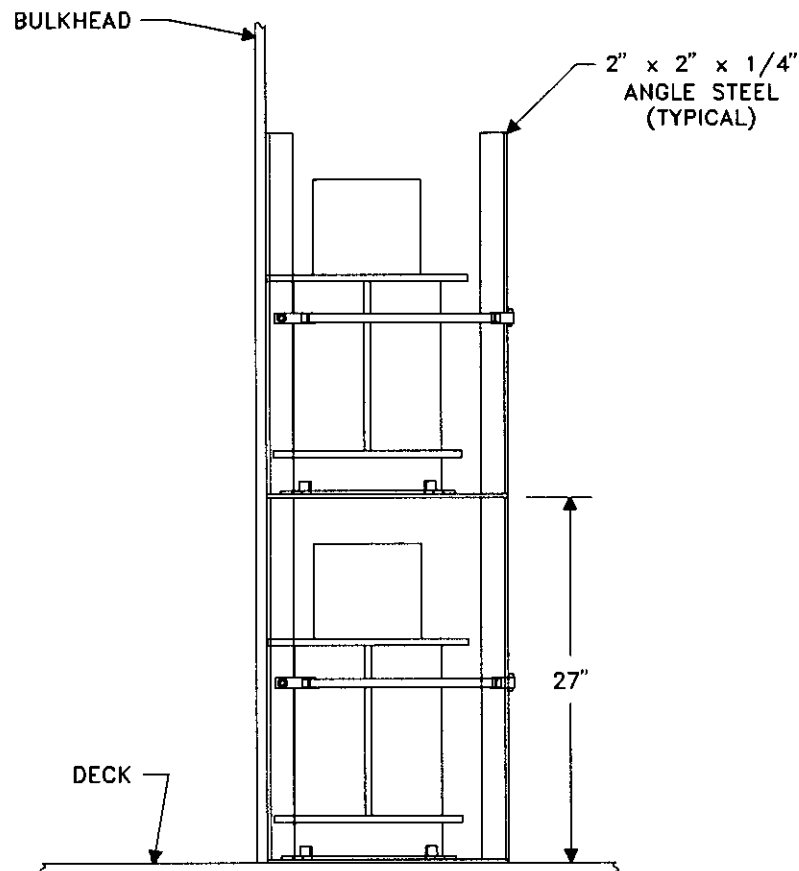
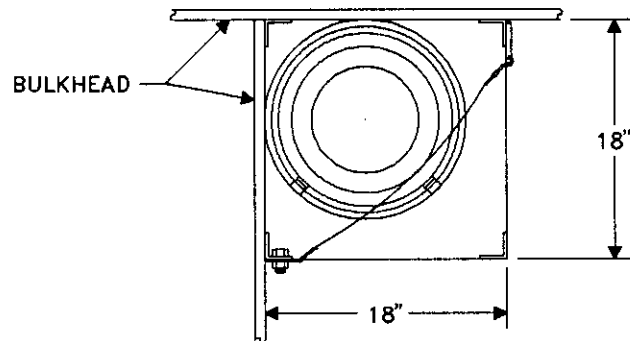


RED DEVIL FAN STOWAGE (DECK MOUNTED)

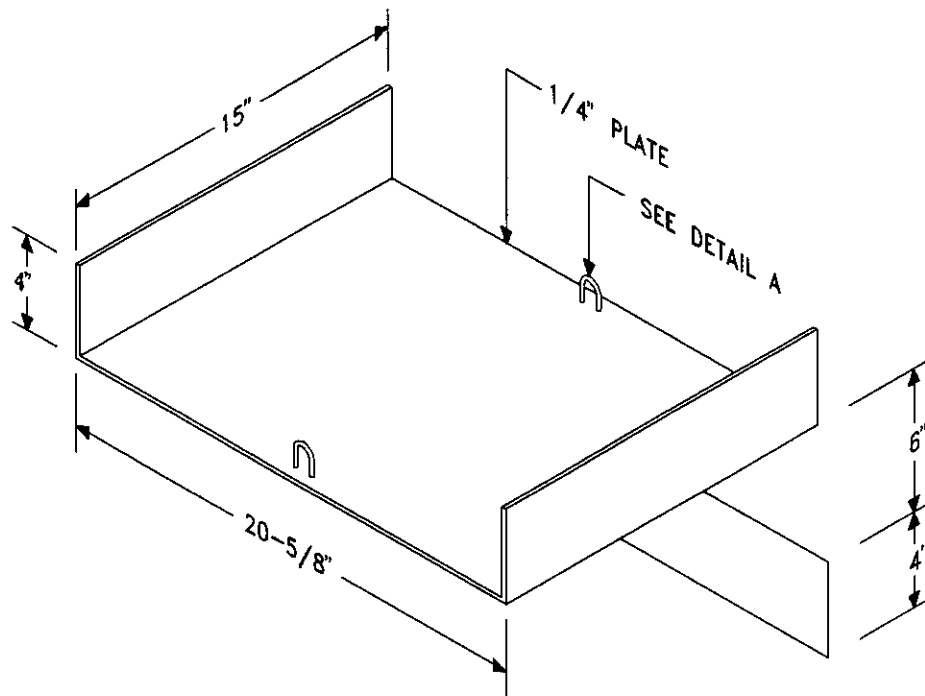
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 029

**FAN STOWAGE RED DEVIL
BHD/DK MOUNTED (PLATE)**

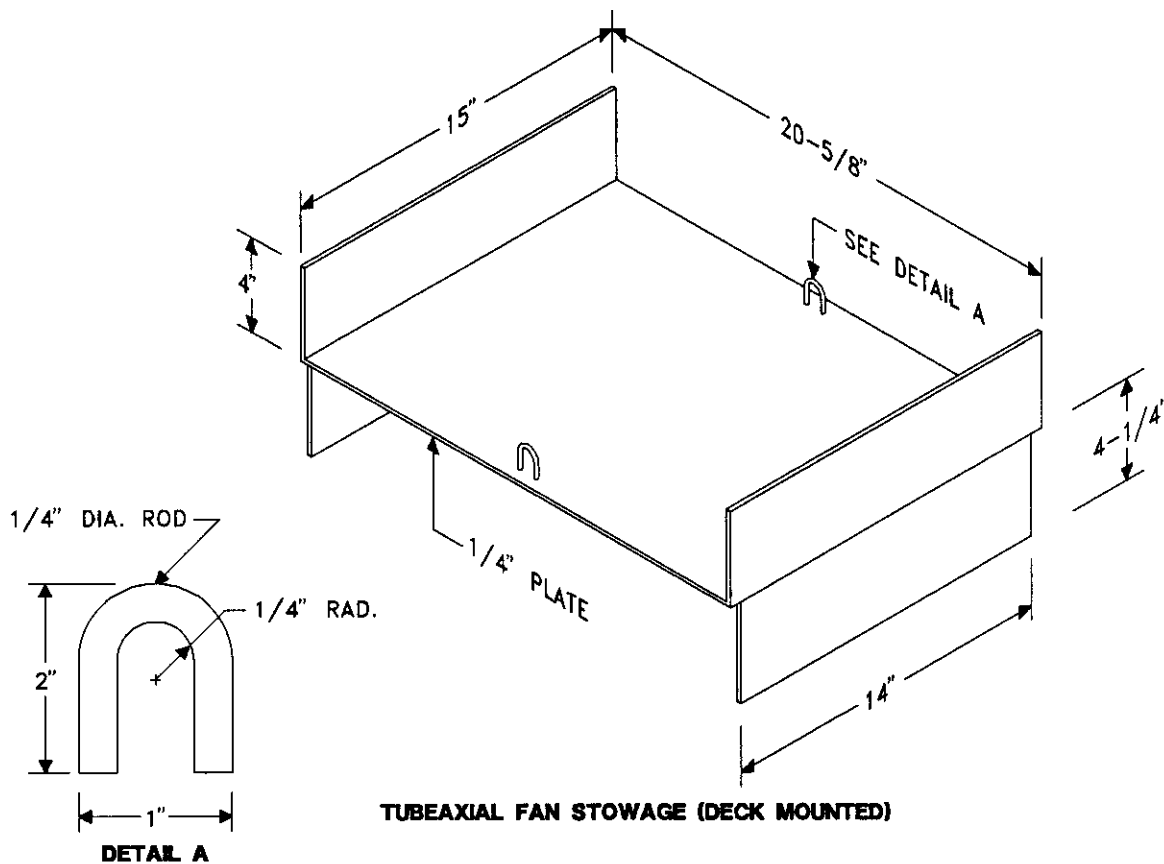
RED DEVIL FAN STOWAGE



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 030
FAN STOWAGE RED DEVIL
VERTICAL POSITION



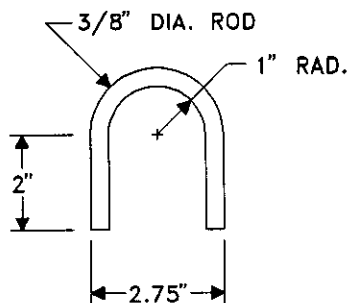
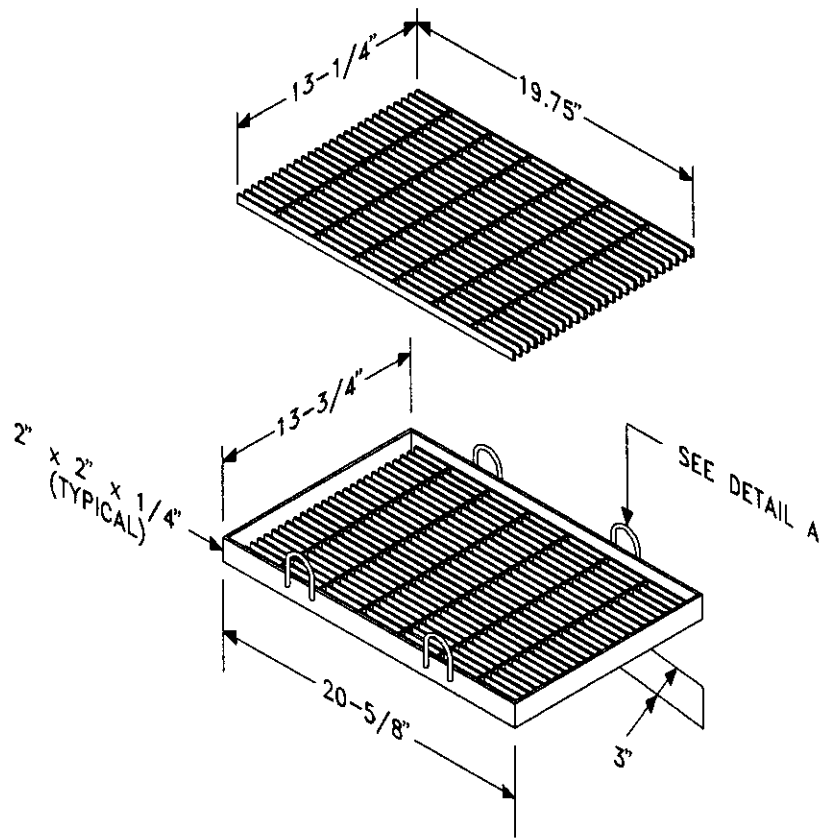
TUBEAXIAL FAN STOWAGE (BHD MOUNTED)



TUBEAXIAL FAN STOWAGE (DECK MOUNTED)

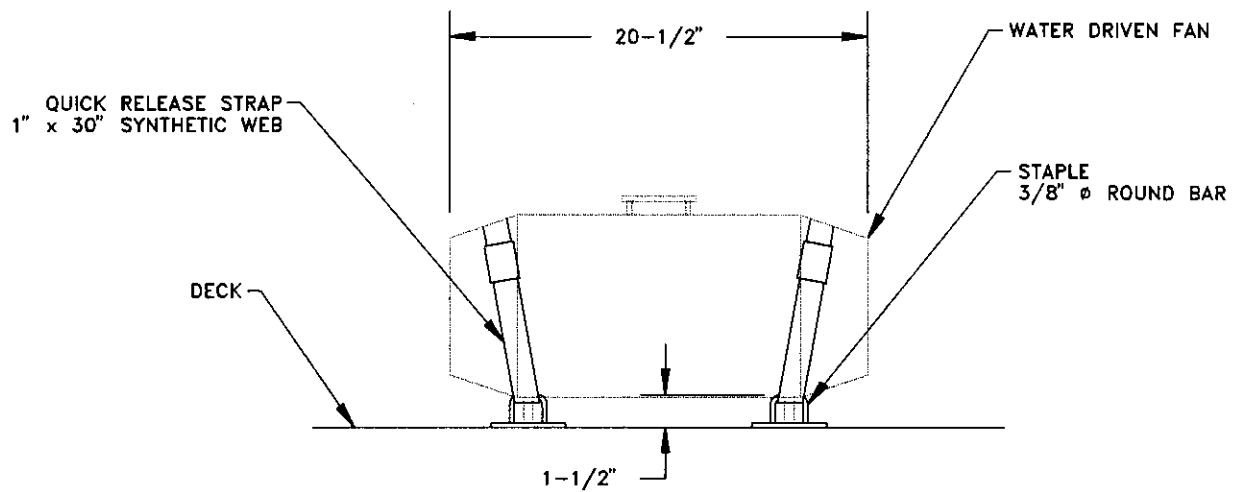
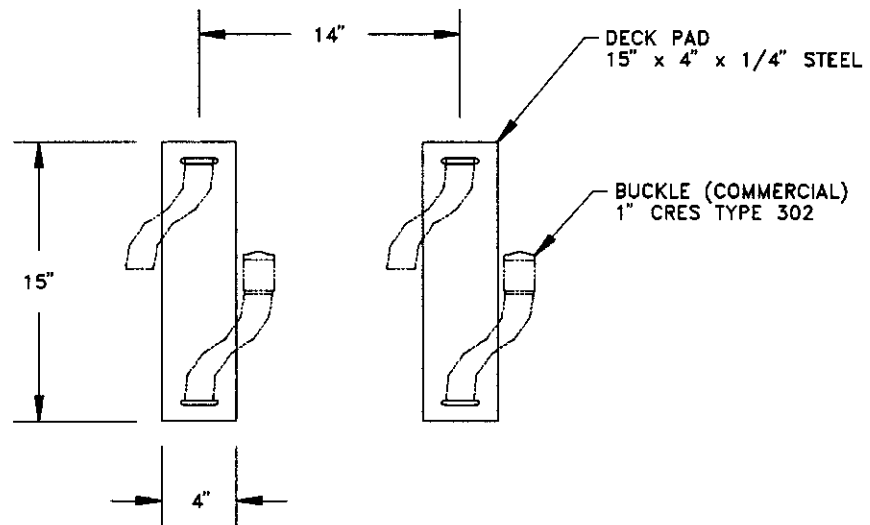
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 031
FAN STOWAGE (PASSAGEWAY) TUBEAXIAL
BHD/DK MOUNTED (PLATE)

WATER DRIVEN FAN STOWAGE

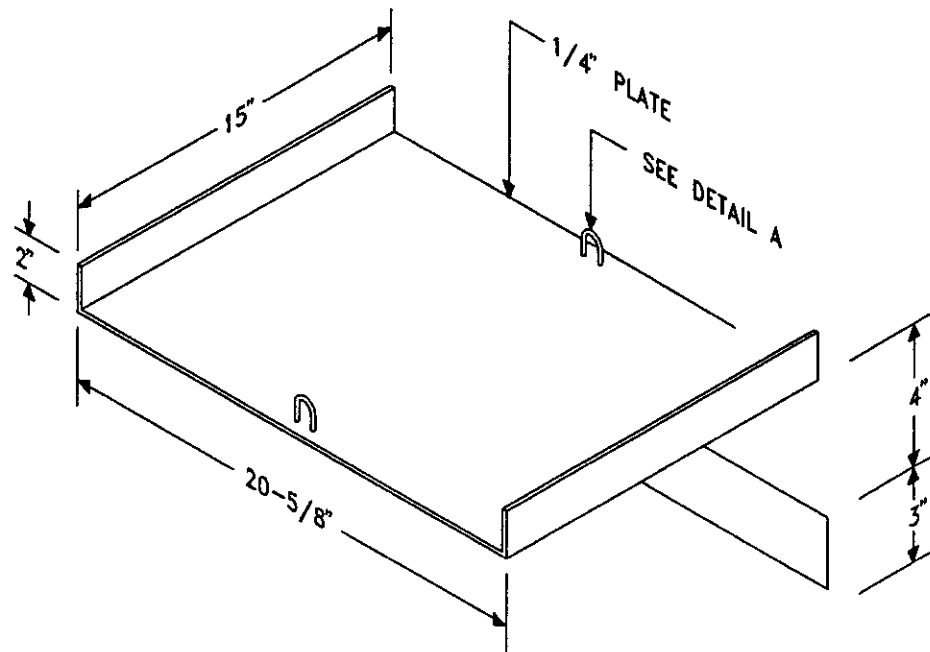


DETAIL A

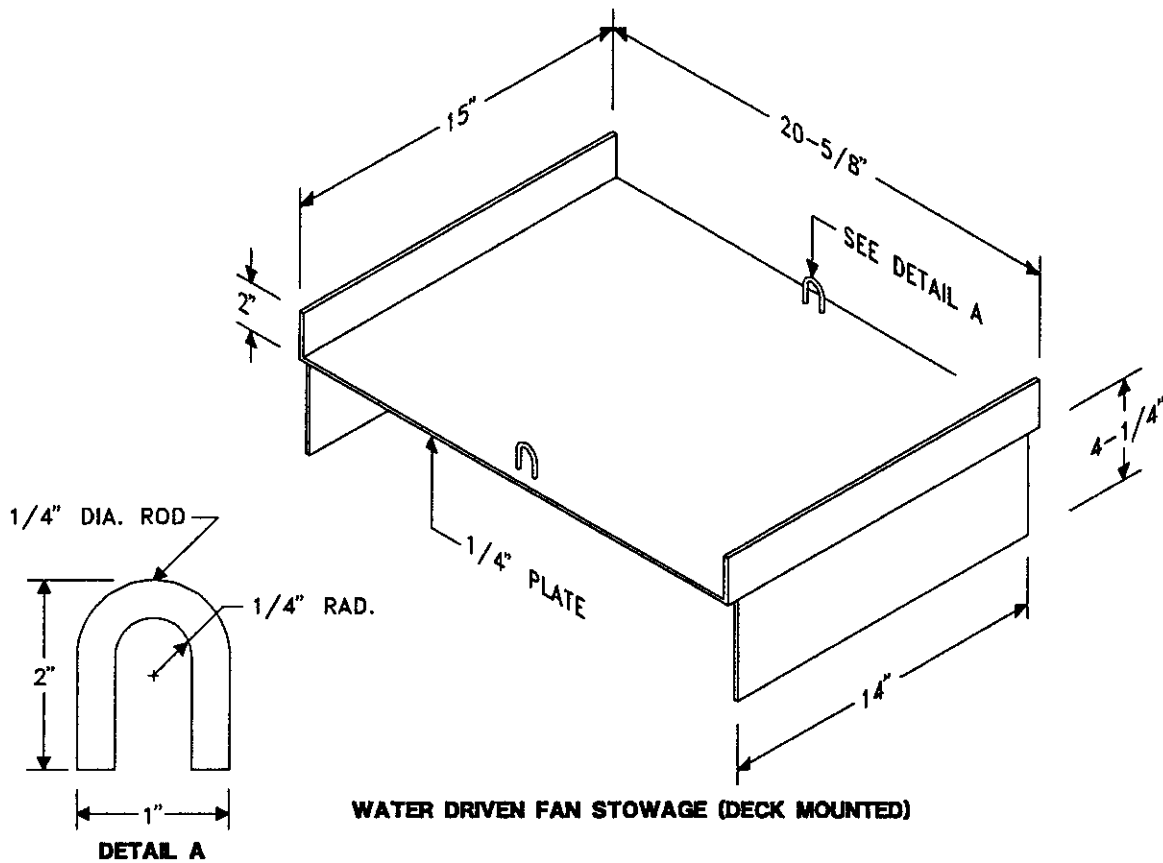
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 032
FAN STOWAGE (DCRS) WATER DRIVEN
BHD MOUNTED (GRATING)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 033
FAN STOWAGE, WATER DRIVEN
DECK MOUNTED

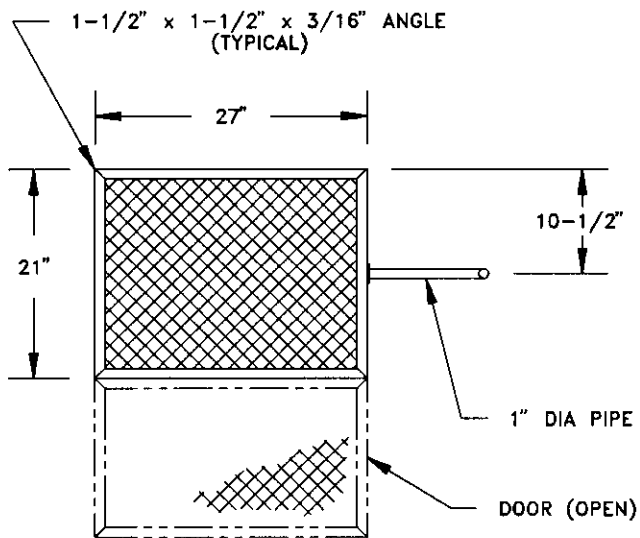


WATER DRIVEN FAN STOWAGE (BHD MOUNTED)

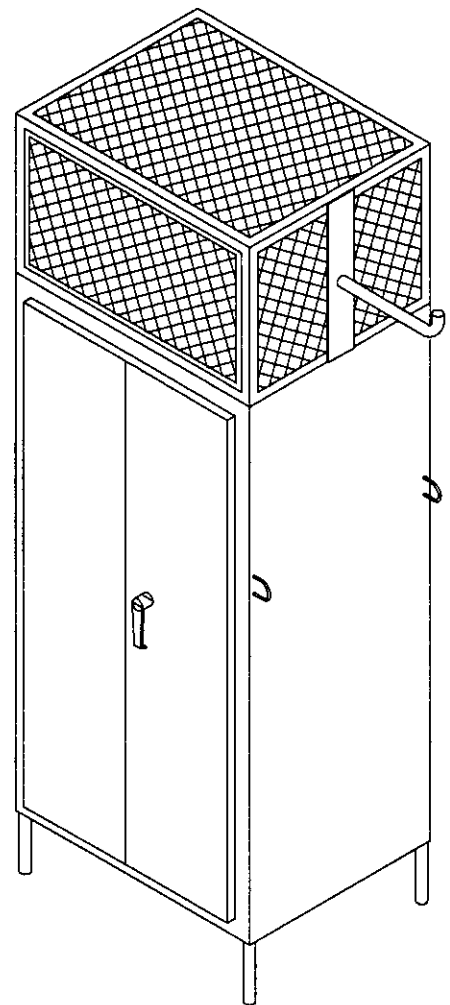


WATER DRIVEN FAN STOWAGE (DECK MOUNTED)

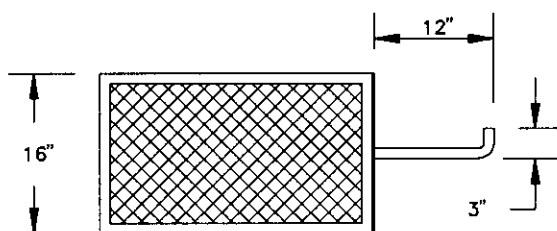
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 034
FAN STOWAGE WATER DRIVEN
BHD/DK MOUNTED (PLATE)



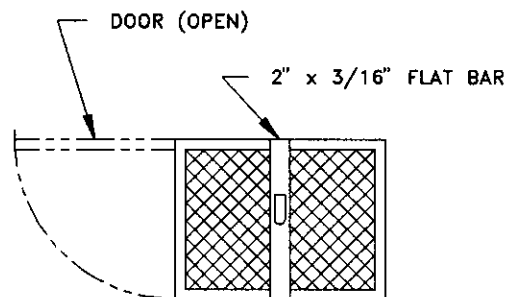
PLAN



ISOMETRIC VIEW

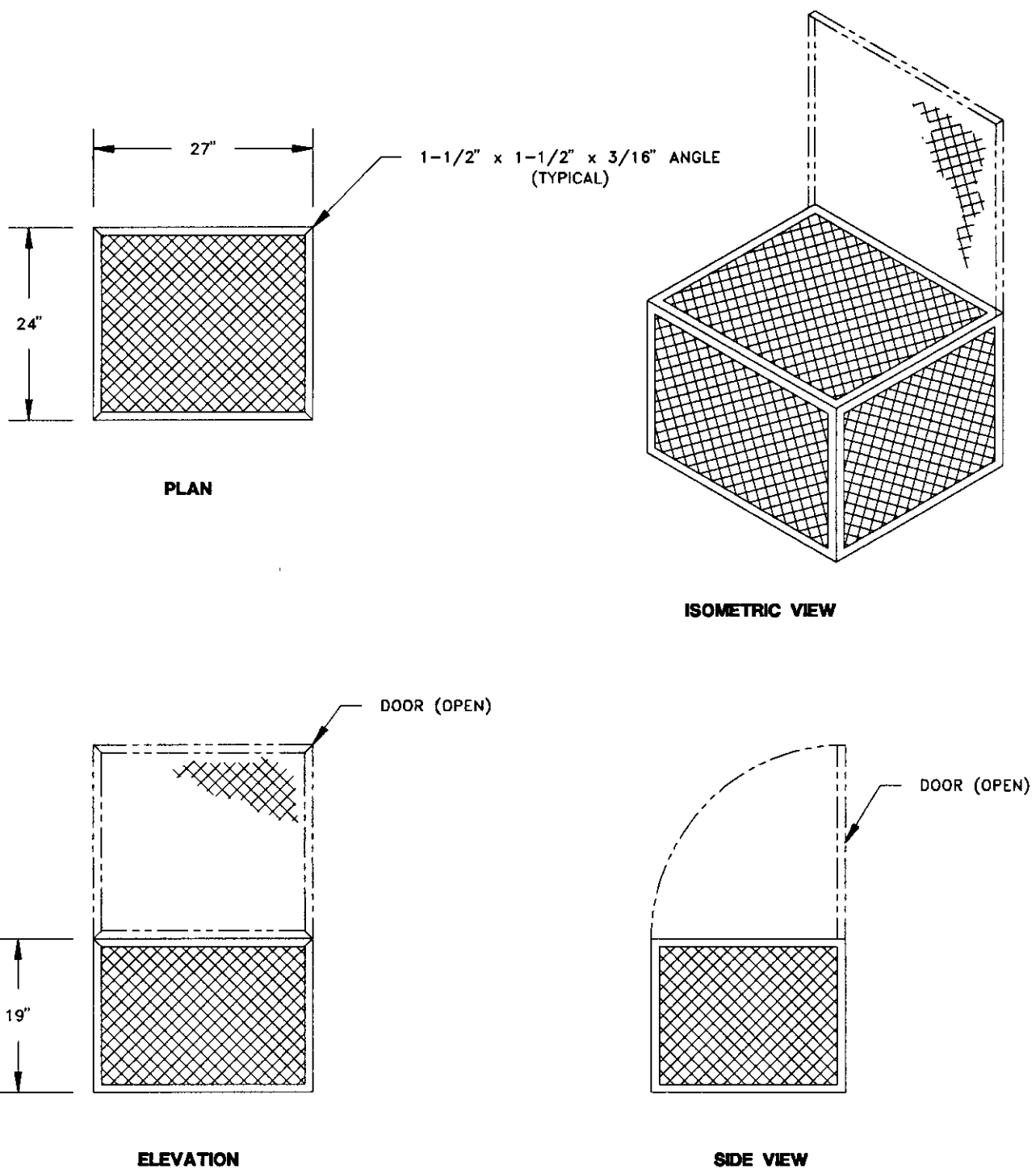


ELEVATION

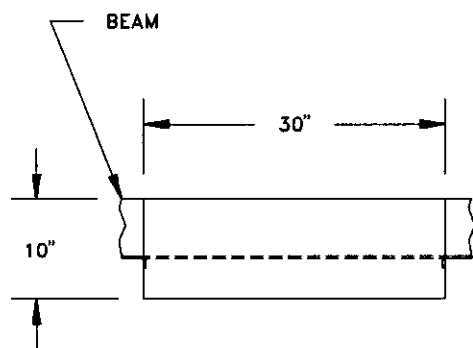


SIDE VIEW

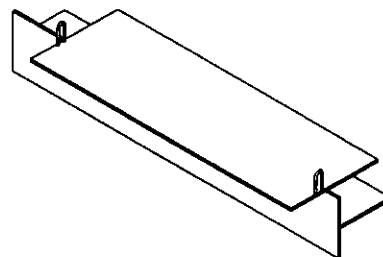
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 035
FIREFIGHTERS' BOOT STOWAGE RACK (LOCKER MOUNTED)
VERSION 1



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 036
FIREFIGHTERS' BOOT STORAGE RACK (DECK MOUNTED)
VERSION 2

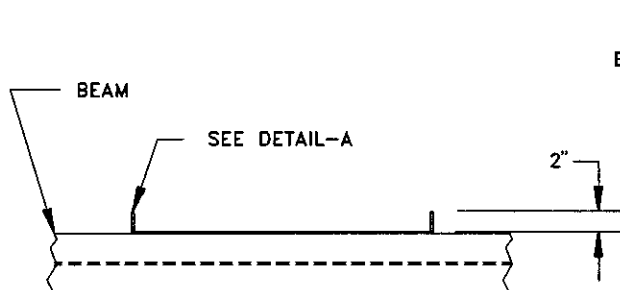


PLAN

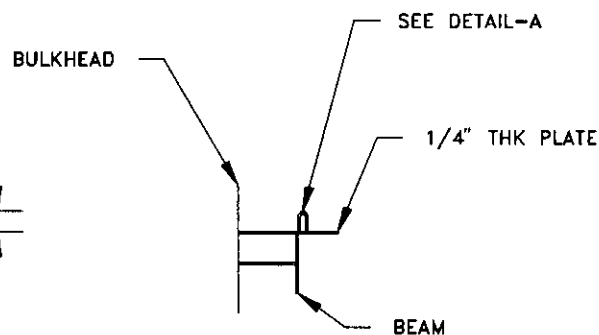


BUNGI CORD & BOOTS
NOT SHOWN FOR CLARITY.

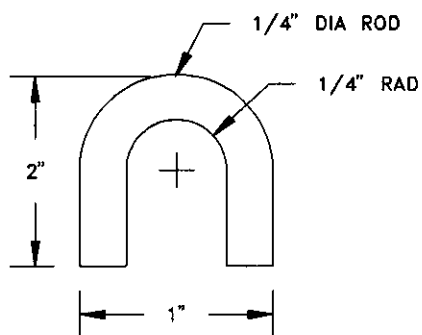
ISOMETRIC VIEW



ELEVATION



SIDE VIEW



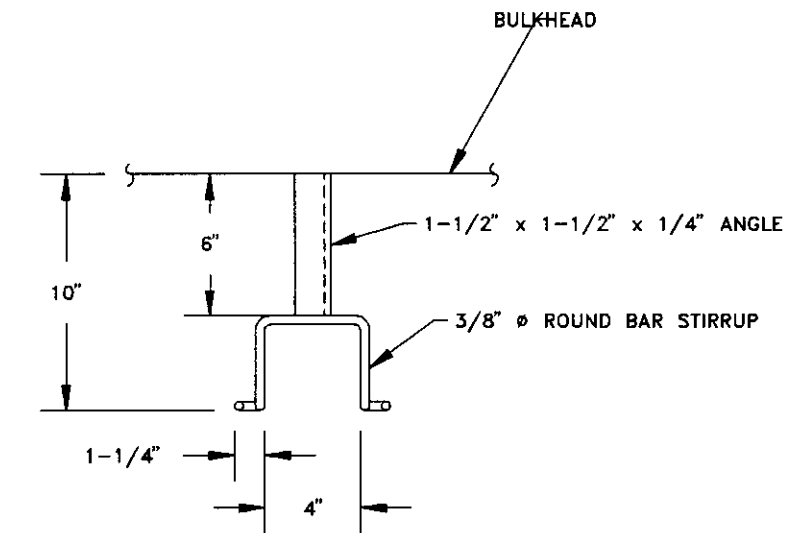
DETAIL A

NOTES:

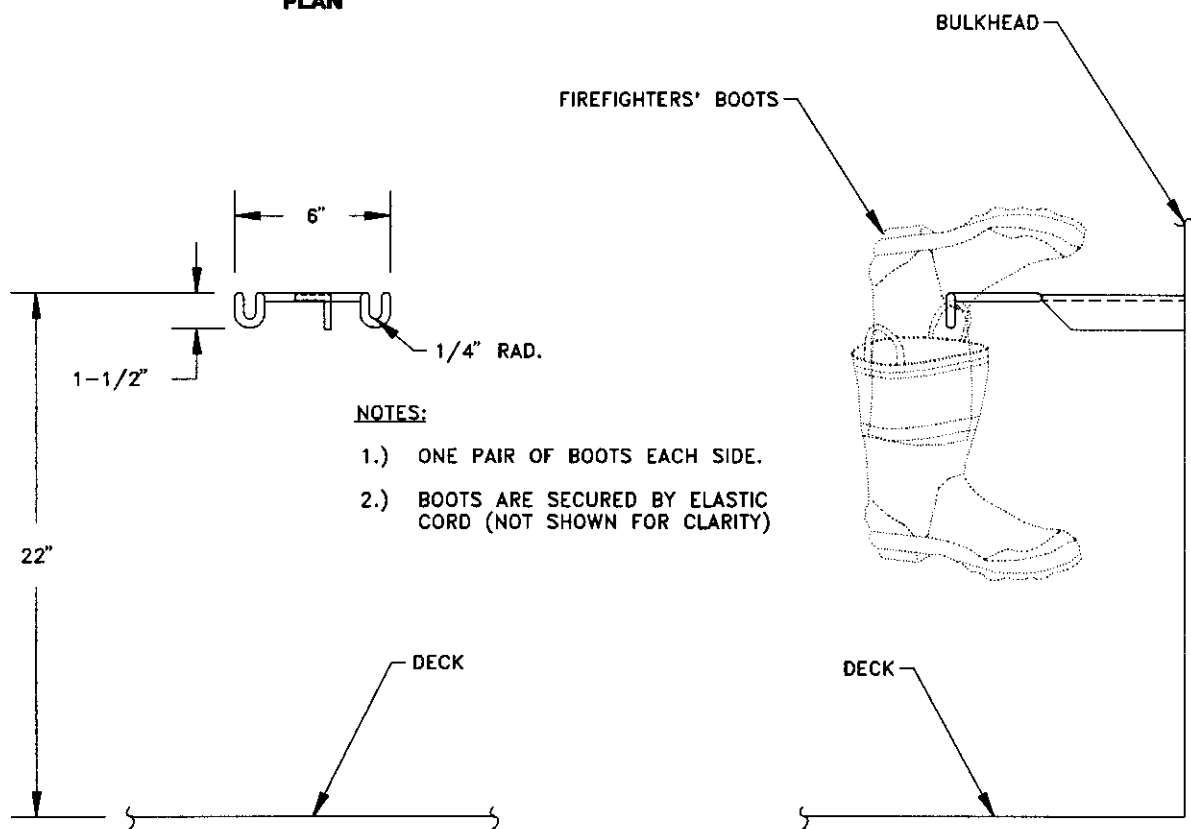
1. WELD PLATE TO BEAM.
2. LENGTH/BOOT STOWAGE RATIO:

10 INCHES	= 1 PAIR
20 INCHES	= 2 PAIRS
30 INCHES	= 3 PAIRS
40 INCHES	= 4 PAIRS
50 INCHES	= 5 PAIRS
60 INCHES	= 6 PAIRS (MAX)

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 037
FIREFIGHTERS' BOOT STOWAGE RACK (BEAM MOUNTED)
VERSION 3



PLAN



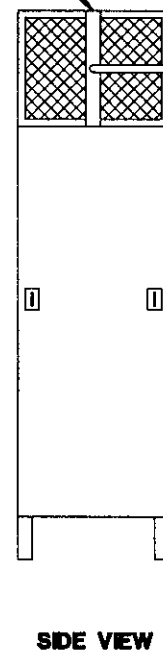
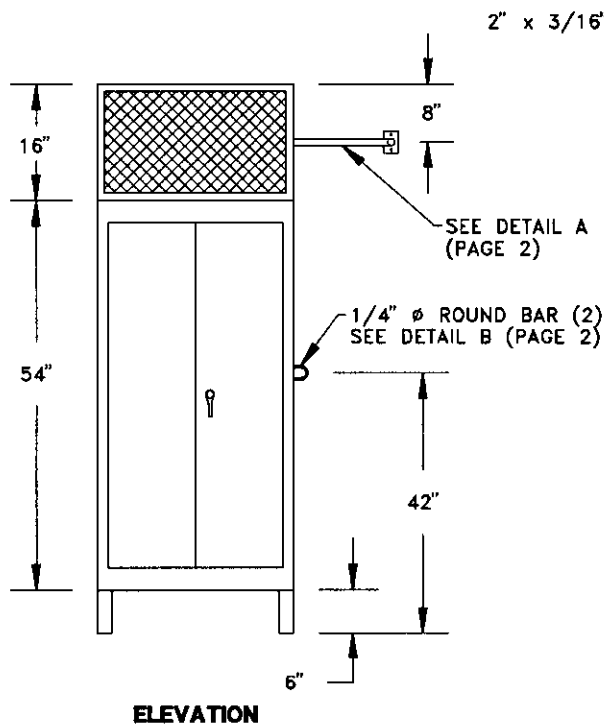
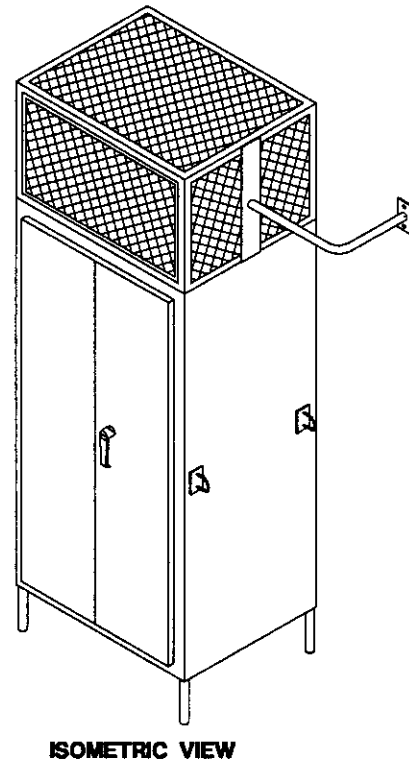
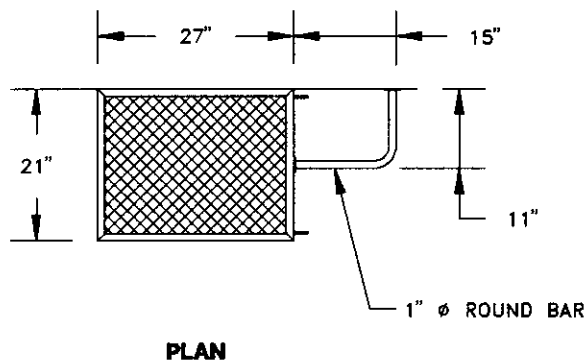
NOTES:

- 1.) ONE PAIR OF BOOTS EACH SIDE.
- 2.) BOOTS ARE SECURED BY ELASTIC CORD (NOT SHOWN FOR CLARITY)

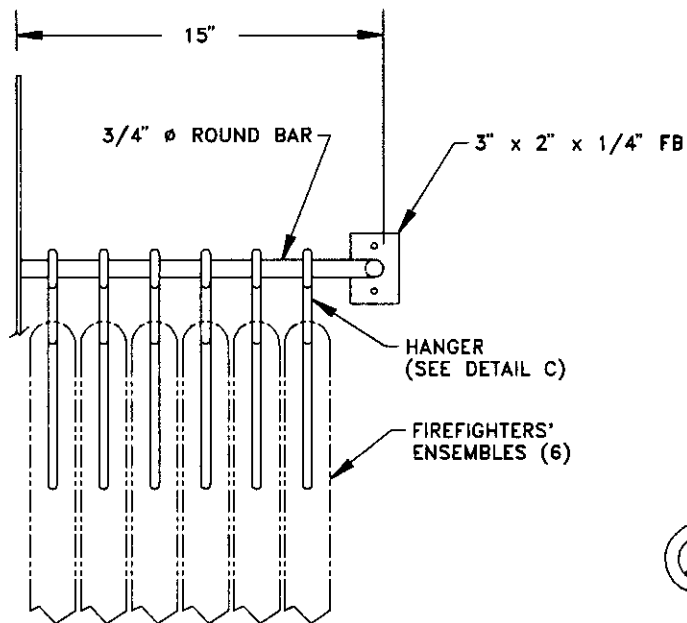
ELEVATION

SIDE VIEW

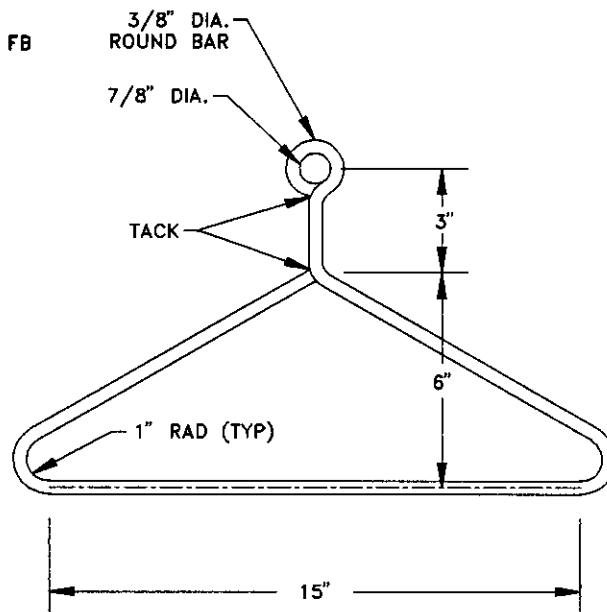
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 038
FIREFIGHTERS' BOOT STOWAGE (BHD MOUNTED)
VERSION 4



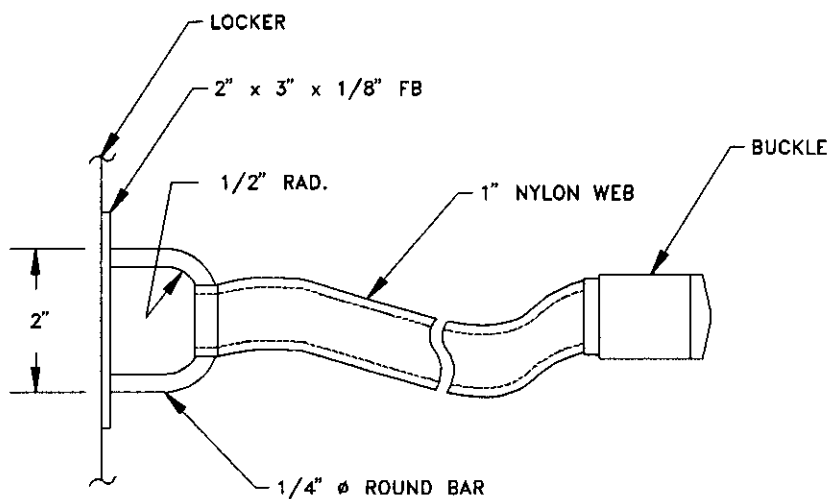
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 039
FIREFIGHTERS' ENSEMBLE STOWAGE (HANGER BAR)
VERSION 1 (PAGE 1 OF 2)



DETAIL A

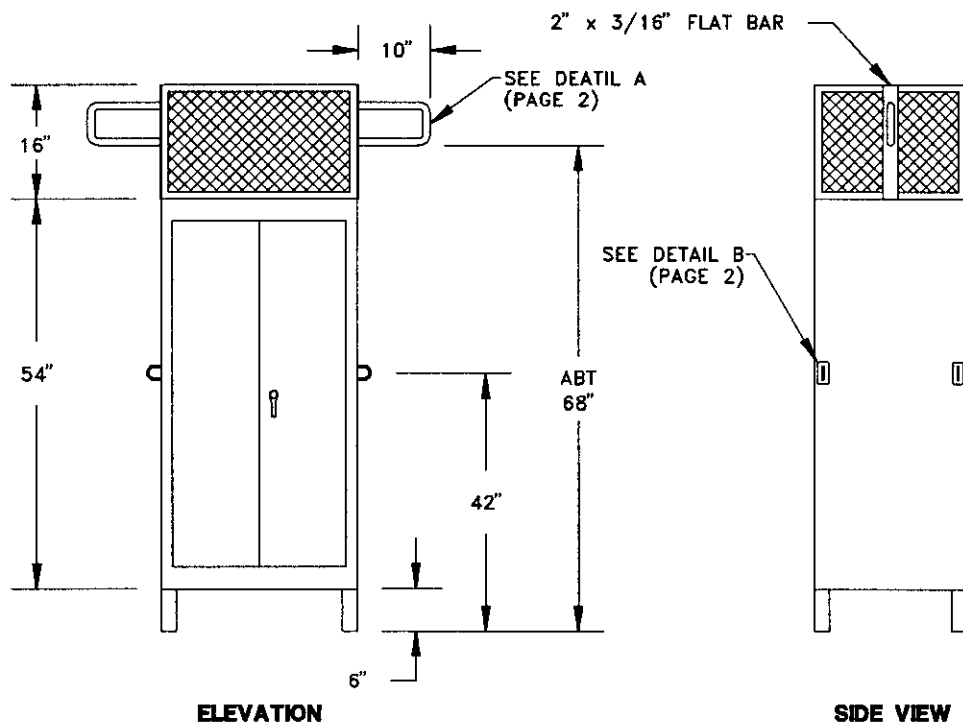
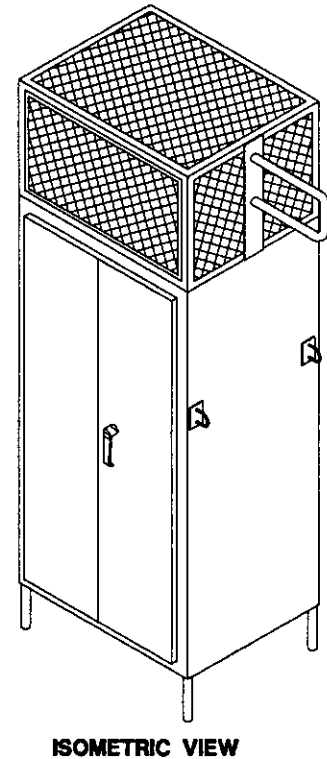
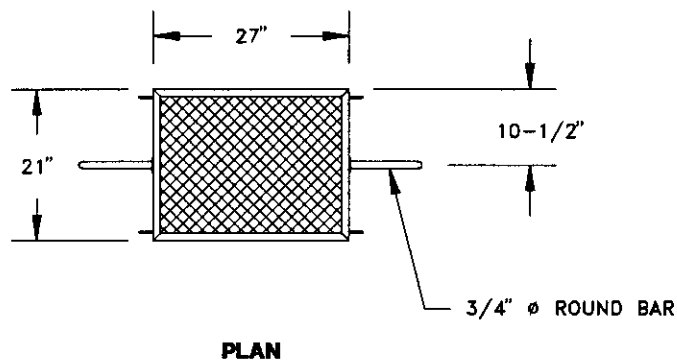


DETAIL C

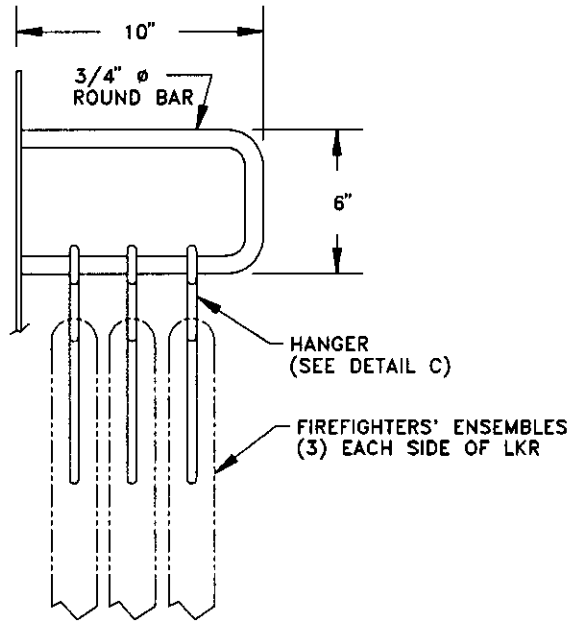


DETAIL B

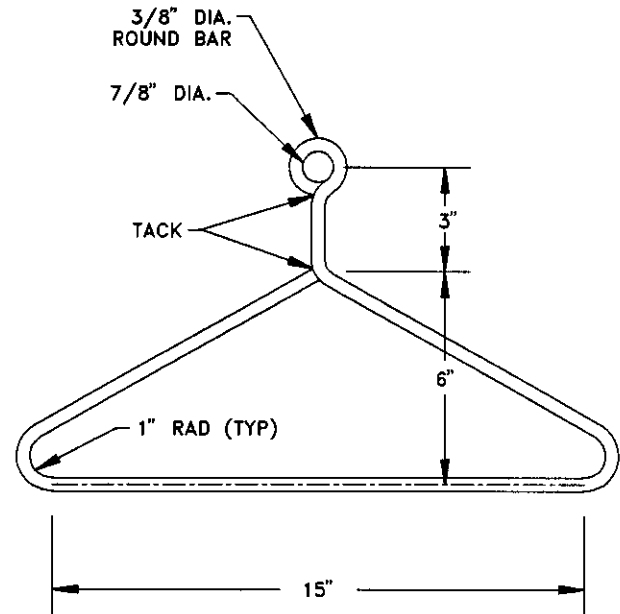
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 039
FIREFIGHTERS' ENSEMBLE STOWAGE (HANGER BAR)
VERSION 1 (PAGE 2 OF 2)



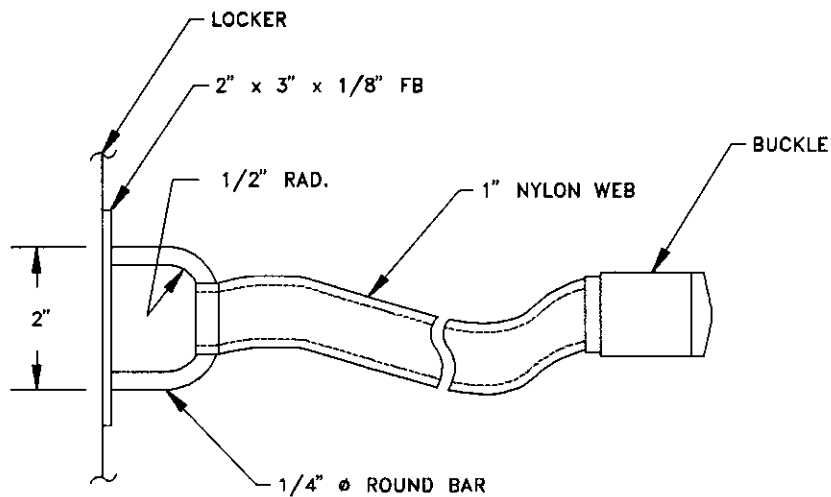
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 040
FIREFIGHTERS' ENSEMBLE STOWAGE (HOOK)
VERSION 2 (PAGE 1 OF 2)



DETAIL A

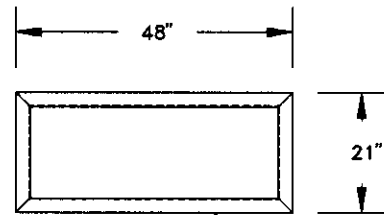
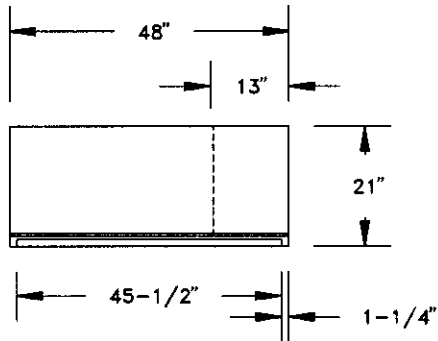


DETAIL C



DETAIL B

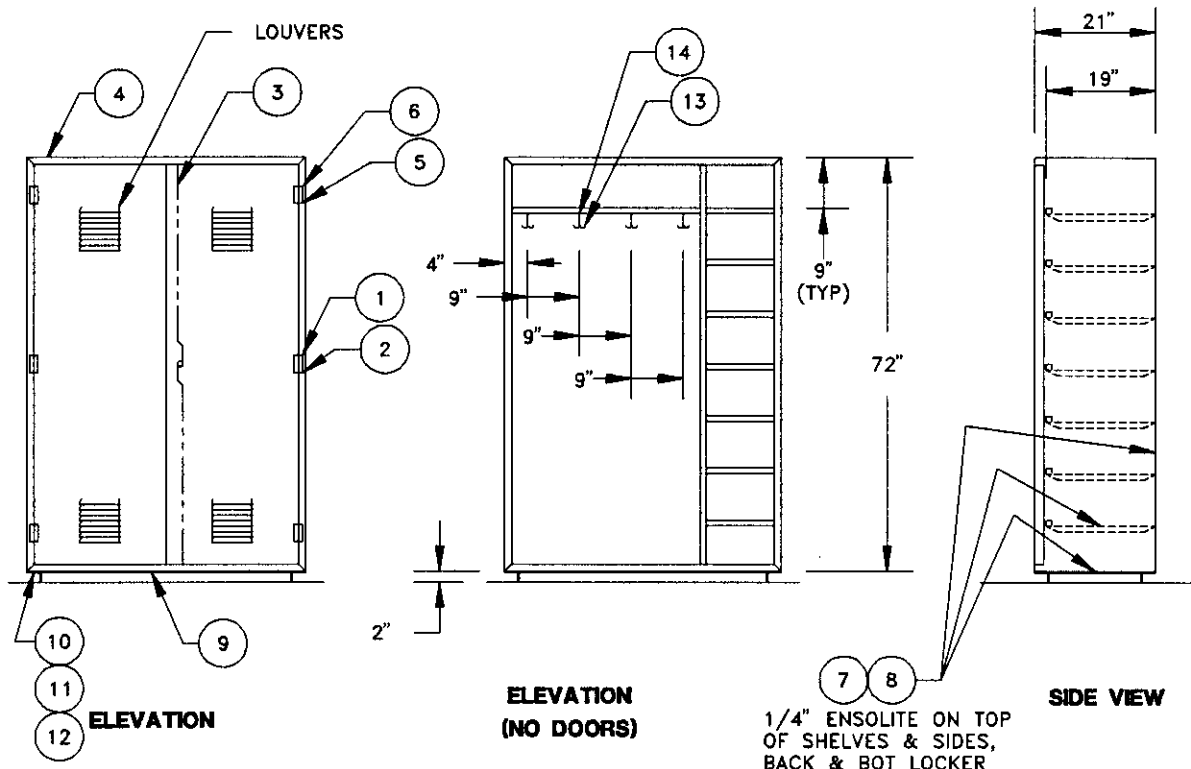
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 040
FIREFIGHTERS' ENSEMBLE STOWAGE (HOOK)
VERSION 2 (PAGE 2 OF 2)



PLAN (SUB-BASE)

9 SUB-BASE
2-1/2" x 2" x 3/16"
ANGLE

PLAN

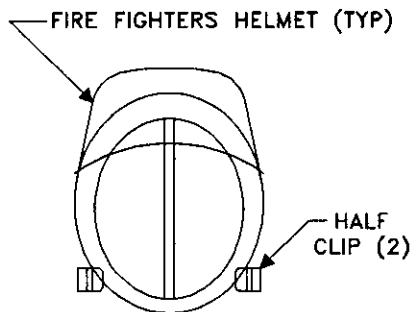


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 041
FIREFIGHTERS' ENSEMBLE COVERALL STOWAGE LOCKER
VERSION 3 (PAGE 1 OF 2)

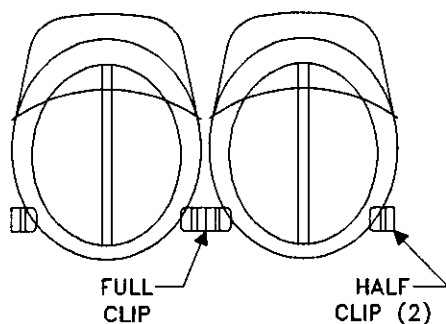
	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
6	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
6	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY64, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
36	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
12	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		
AS REQ'D	7	1/4" ENSOLITE	TY III RUBBER		MIL-P-15280
AS REQ'D	8	BONDING AGENT	CEMENT		MIL-A-24179
12LF	9	ANGLE, BASE, 2-1/2" x 2" x 3/16"	MED STL		
24	10	BOLT, 1/4"-20UNC 2A	STL (ZINC COAT)		L-3/4"
24	11	NUT, HEX 1/4"-20UNC 2B	STL (ZINC COAT)		TACK WELD TO PT # 9 IN SHOP
24	12	WASHER, LOCK, 1/4"	STL (ZINC COAT)		
4	13	HOOK, COAT CEILING MOUNTED	COM'L STL	BLAINE WINDOW INC. PT # 6212	OR EQUAL
8	14	RIVET, AVEX 3/16" DIA.	COM'L AL		OR EQUAL

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 041
FIREFIGHTERS' ENSEMBLE COVERALL STOWAGE LOCKER
VERSION 3 (PAGE 2 OF 2)

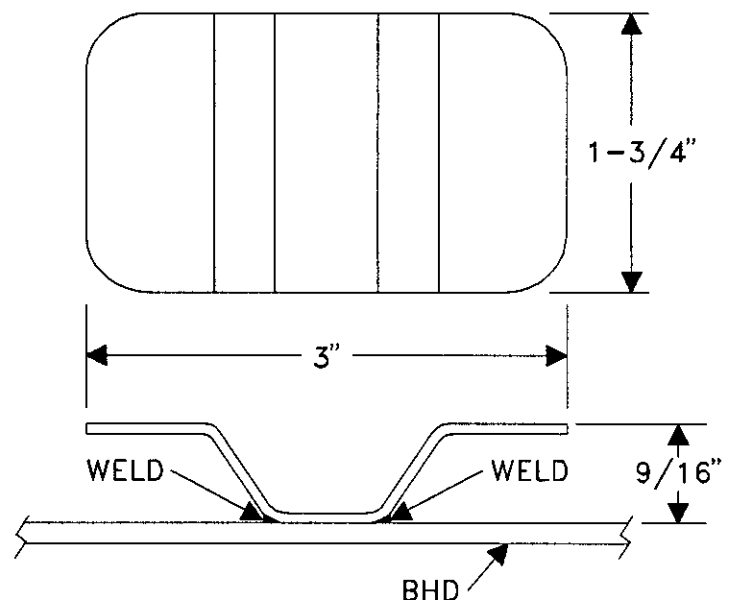
BUTTERFLY CLIP USED FOR STOWAGE
OF FIRE FIGHTERS HELMET - MATERIAL
TO BE CRES/CARBON STEEL 1/4 LB
PLATE - DEBURR ALL EDGES.



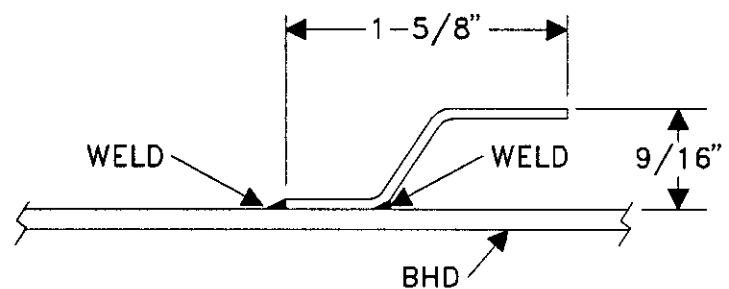
INSTALLATION
MOUNTING SINGLE HELMET



INSTALLTION MOUNTING
HELMETS SIDE BY SIDE



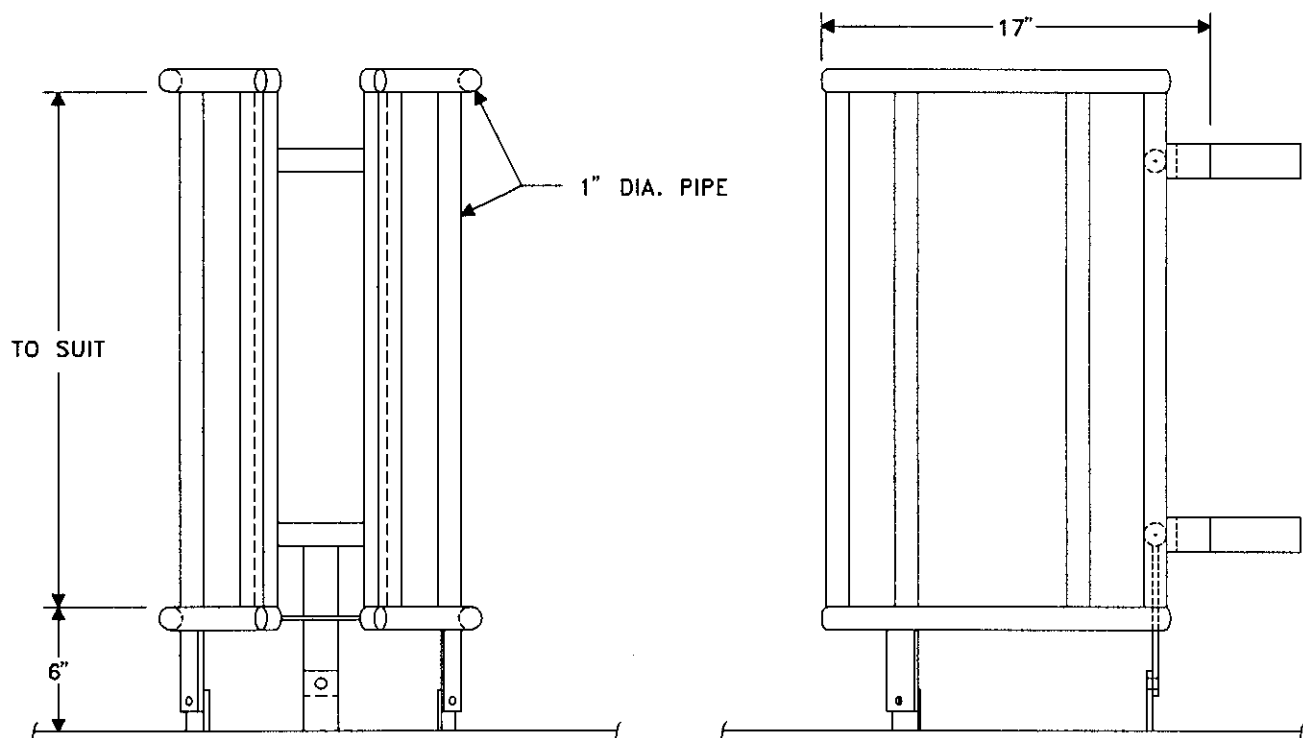
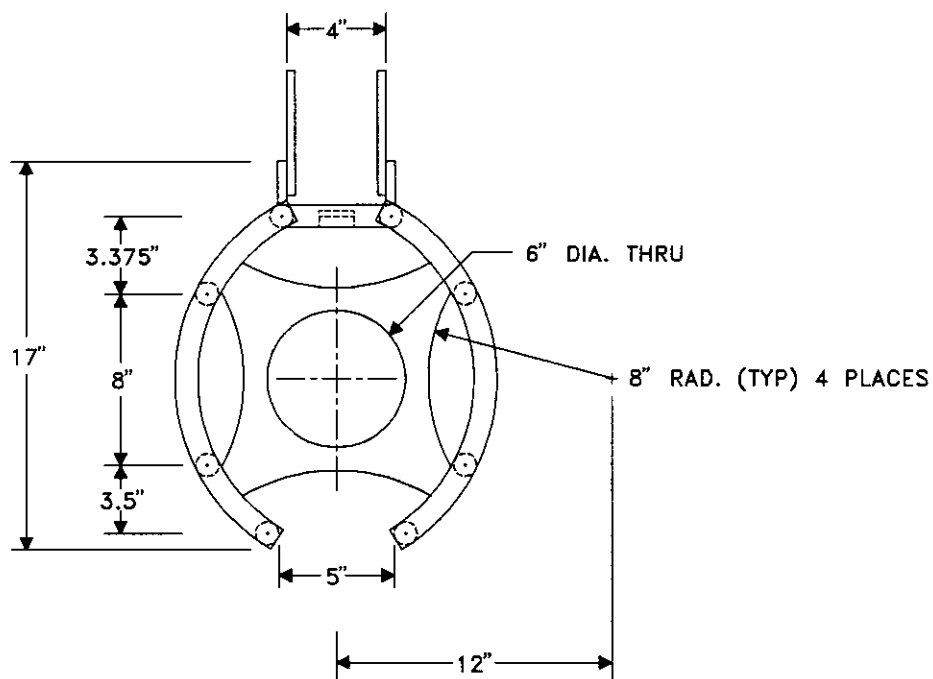
BUTTERFLY CLIP - FULL



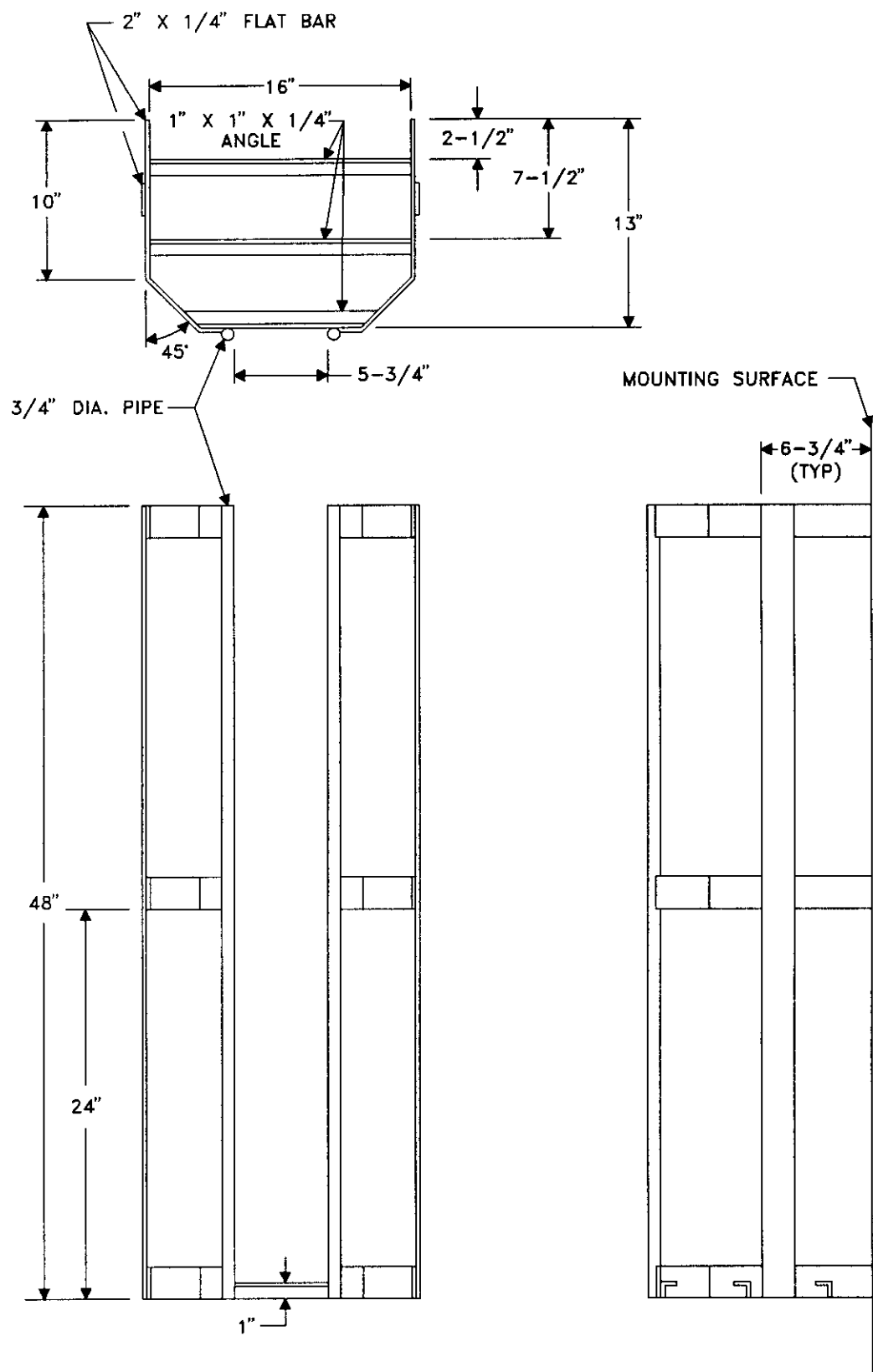
BUTTERFLY CLIP - HALF

- NOTE: 1. CUT CLIP IN HALF FOR SINGLE HELMET MOUNTING, USE
FULL CLIP WHEN MOUNTING HELMETS SIDE BY SIDE.
2. USE HELMET AS MODEL FOR DISTANCE WHEN INSTALLING CLIPS.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 042
FIREFIGHTERS' HELMET STOWAGE
(BUTTERFLY CLIP)



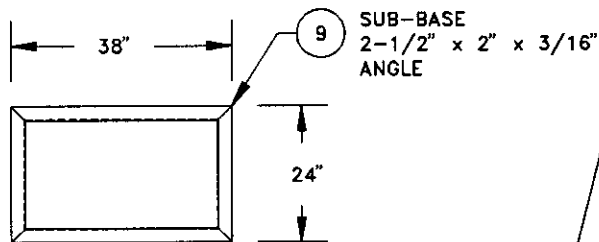
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 043
FIREFIGHTERS' HELMET STOWAGE RACK
VERSION 1



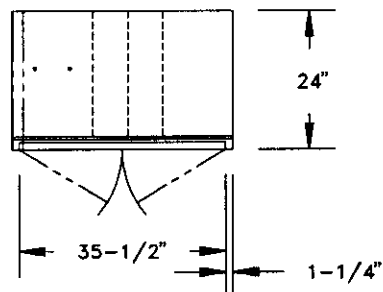
REVISED
SKETCH



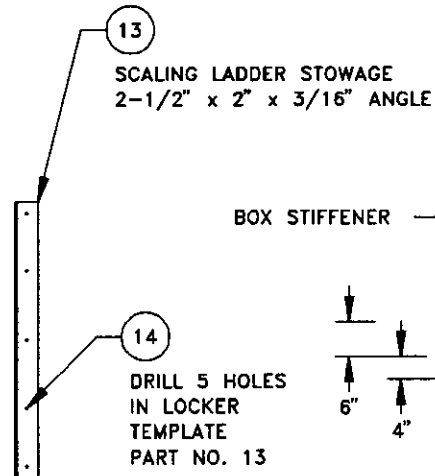
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 044
FIREFIGHTERS' HELMET STOWAGE RACK
VERSION 2 (LIGHT WEIGHT)



PLAN (SUB-BASE)

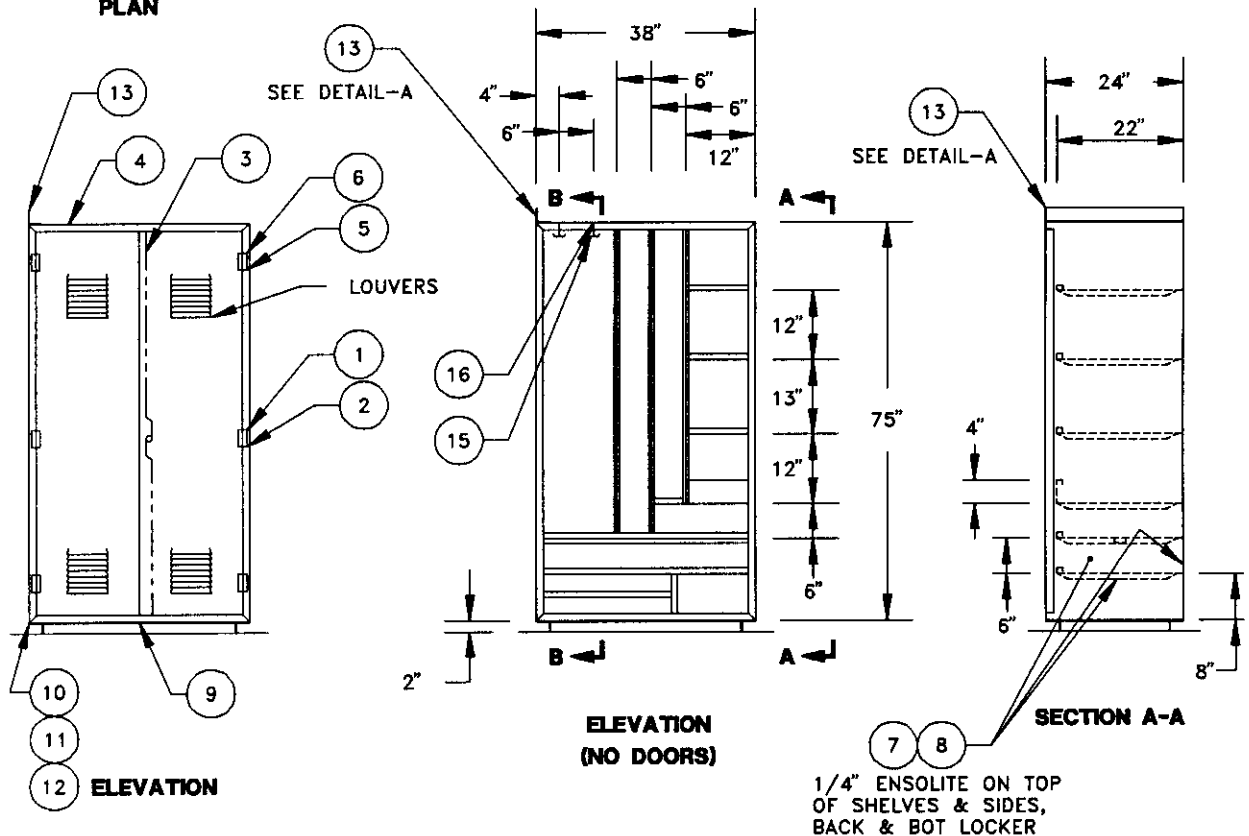


PLAN



SECTION B-B

DETAIL-A
(ENLARGED)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 045 **FIREFIGHTING EQUIPMENT & PROXIMITY SUIT STOWAGE LOCKER** **PAGE 1 OF 3**

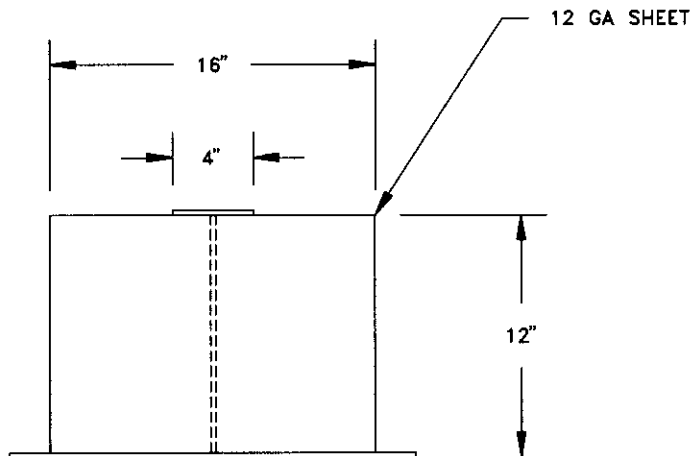
PROXIMITY SUITS (2)	4 FT APPLICATOR (2)	IN-LINE EDUCTOR (2)	KIT BAG
			KIT BAG
			PROXIMITY SUIT HELMET (2)
			BIN FOR VARIOUS NOZZLES
	24" BOLT CUTTER		
#12 HAMMER / PICK AXE / 36" PINCH			
1-1/2" x 50' FIRE HOSE		1-1/2" x 50' FIRE HOSE	
1-1/2" x 50' FIRE HOSE			

STOWAGE GUIDANCE PLAN

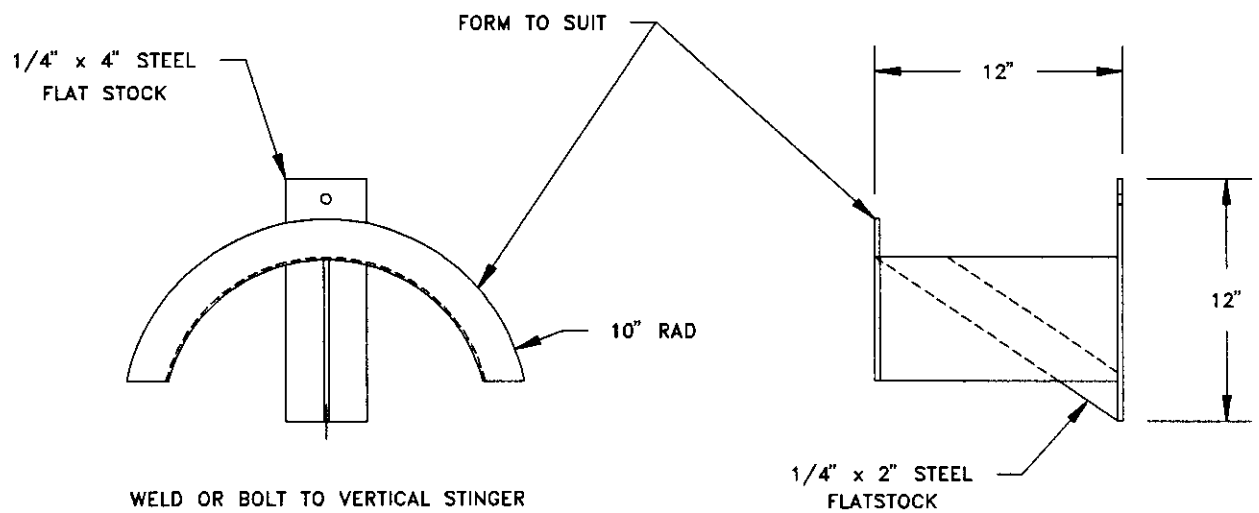
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 045
FIREFIGHTING EQUIPMENT & PROXIMITY SUIT STOWAGE LOCKER
PAGE 2 OF 3

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
6	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
6	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY64, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
36	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
12	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		
AS REQ'D	7	1/4" ENSOLITE	TY III RUBBER		MIL-P-15280
AS REQ'D	8	BONDING AGENT	CEMENT		MIL-A-24179
12LF	9	ANGLE, BASE, 2-1/2" x 2" x 3/16"	MED STL		
24	10	BOLT, 1/4"-20UNC 2A	STL (ZINC COAT)		L-3/4"
24	11	NUT, HEX 1/4"-20UNC 2B	STL (ZINC COAT)		TACK WELD TO PT # 9 IN SHOP
24	12	WASHER, LOCK	STL (ZINC COAT)		
1	13	SCALING LADDER	MED STL		
5	14	RIVET, AVEX 3/16" DIA.	COM'L AL		OR EQUAL
2	15	HOOK, COAT CEILING MOUNTED	COM'L STL	BLAINE WINDOW INC. PT # 6212	OR EQUAL
4	16	RIVET, AVEX 3/16" DIA.	COM'L AL		OR EQUAL

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 045
FIREFIGHTING EQUIPMENT & PROXIMITY SUIT STOWAGE LOCKER
PAGE 3 OF 3



PLAN



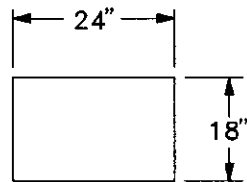
ELEVATION

SIDE VIEW

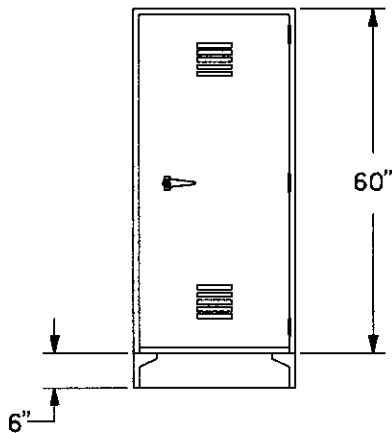
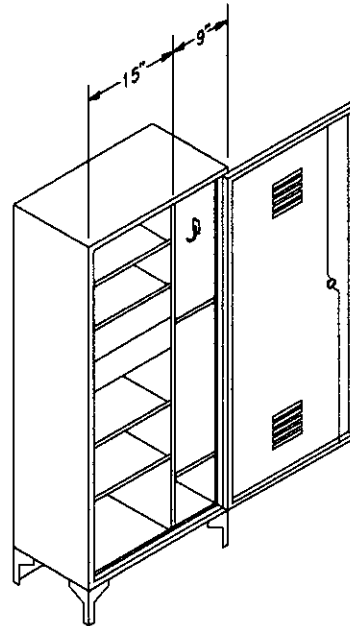
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 046

FIRE HOSE HANGER STOWAGE RACK

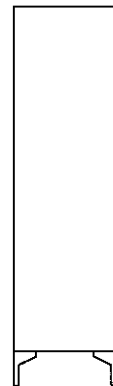
**GAS FREE ENGINEER'S LOCKER
ALUMINUM**



PLAN



ELEVATION

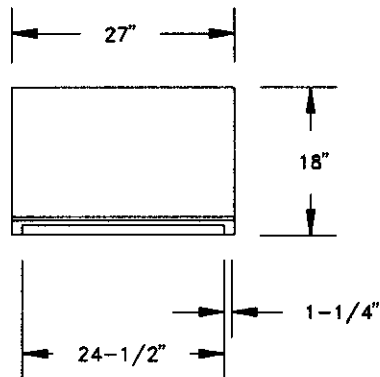


SIDE VIEW

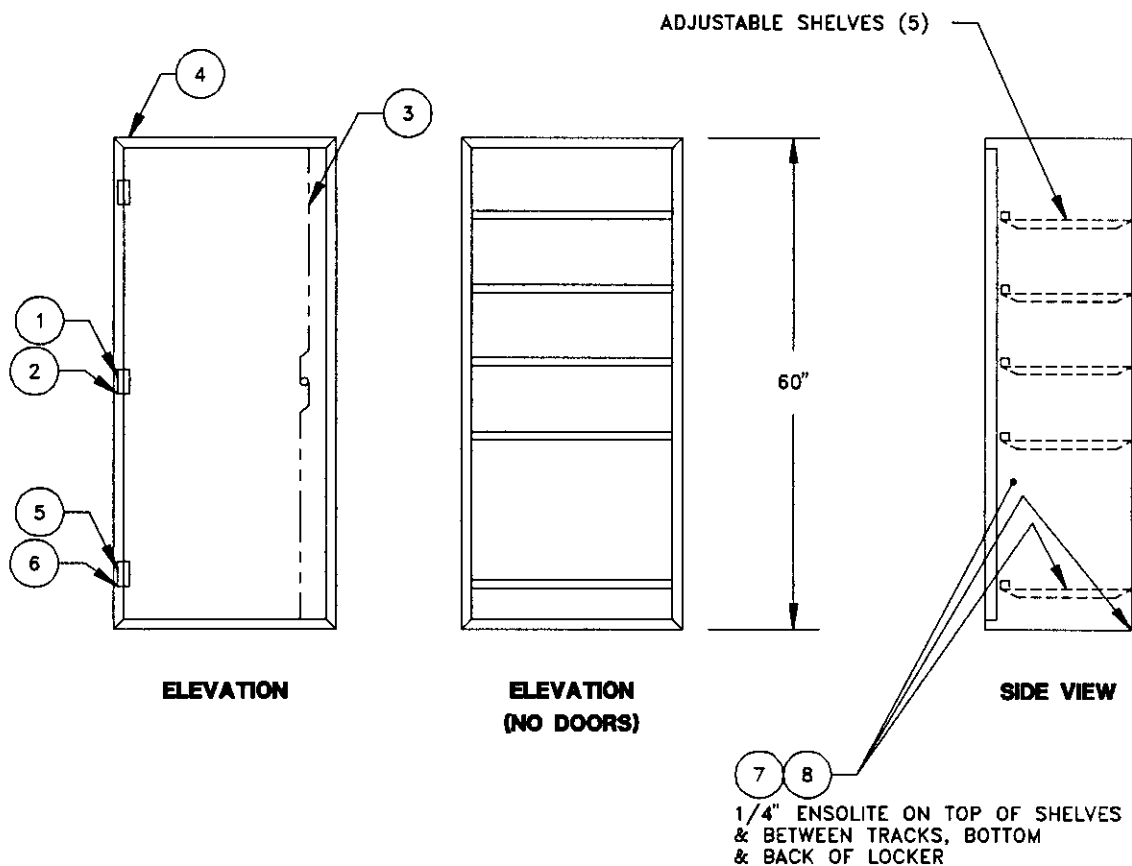
NOTES:

1. MATERIAL:
ALUMINUM - WHEN MADE IN ACCORDANCE WITH
DWG # 53605-630718 MODIFIED.
2. FINISH AS SPECIFIED.
3. DOOR HAS LEVER HANDLE WITH PADLOCK EYE AND UP & DOWN BOLTS
(PADLOCK NOT FURNISHED WITH LOCKER).
4. JAMESTOWN METAL SKETCH SK 226-1-N.
5. STENCIL 2", RED LETTERS: "GAS FREE ENGINEER".

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 047
GAS FREE ENGINEER STOWAGE
VERSION 1



PLAN

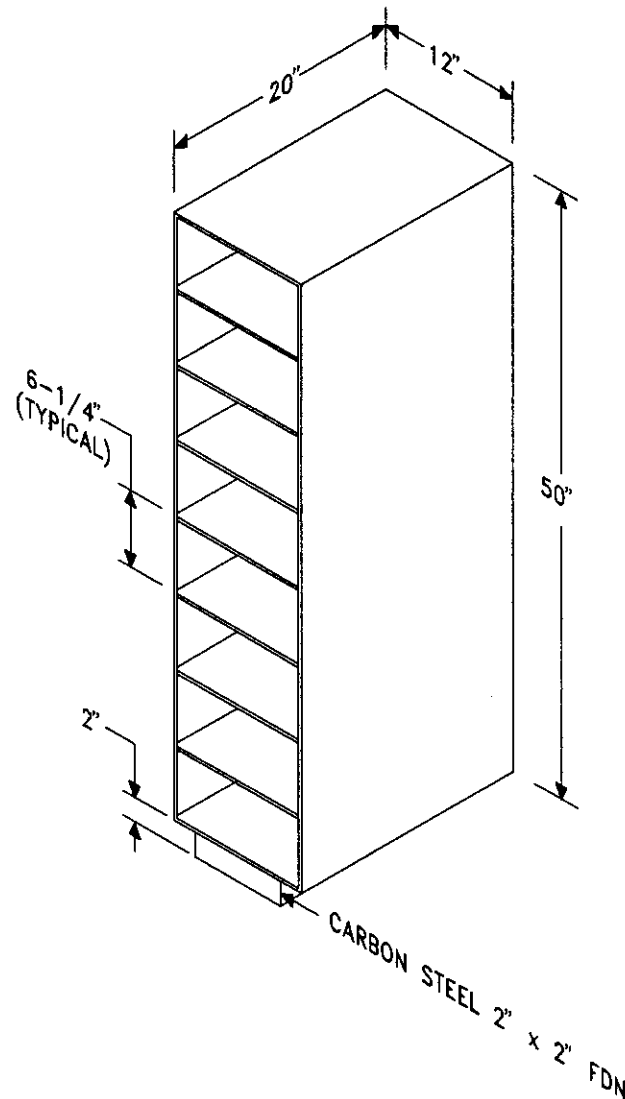


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 048
GAS FREE ENGINEER EQUIPMENT STOWAGE LOCKER
VERSION 2 (PAGE 1 OF 2)

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
6	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
6	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY64, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
36	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
12	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		
AS REQ'D	7	1/4" ENSOLITE	TY III RUBBER		MIL-P-15280
AS REQ'D	8	BONDING AGENT	CEMENT		MIL-A-24179

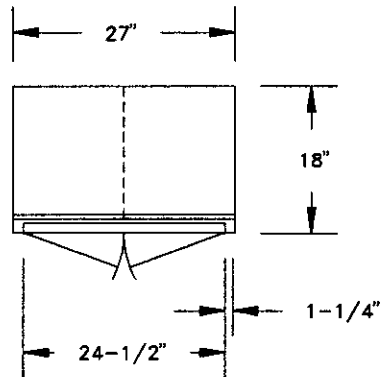
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 048
GAS FREE ENGINEER EQUIPMENT STOWAGE LOCKER
VERSION 2 (PAGE 2 OF 2)

MCU 2P PROTECTIVE MASK/LIFE JACKET/ANTI-FLASH GEAR
STACKED STOWAGE CABINET WITH OPTIONAL QUANTITY OF SHELVES
DEPENDING ON REQUIREMENTS AND SPACE AVAILABLE.

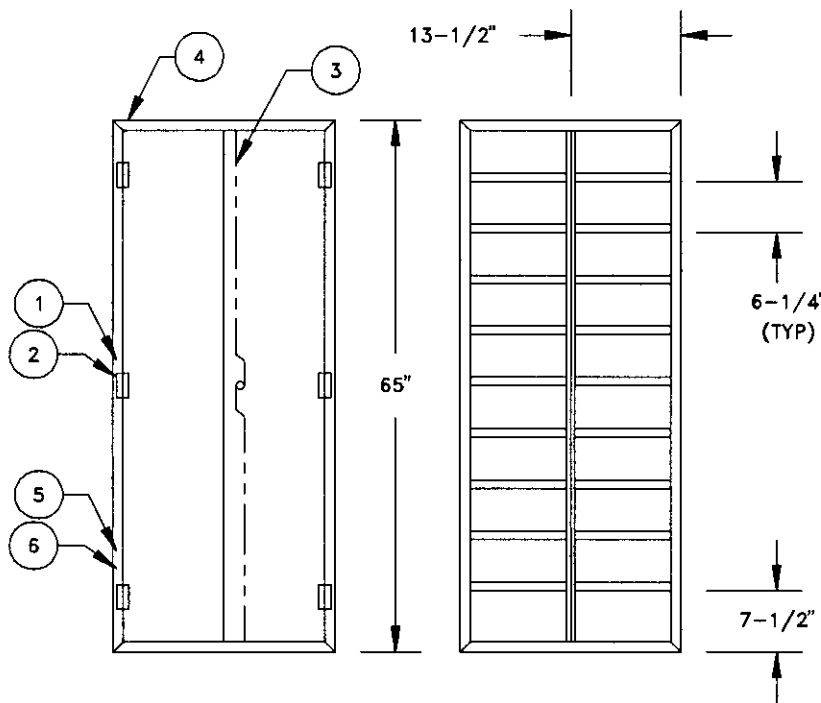


NOTE: INDIVIDUAL BOXES TO BE
.0625" ALUMINUM. SPOT WELDED.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 049
GENERAL QUARTERS EQUIPMENT STOWAGE
VERSION 1

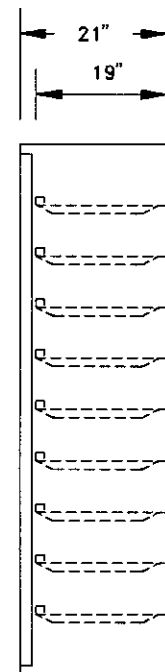


PLAN



ELEVATION

**ELEVATION
(NO DOORS)**



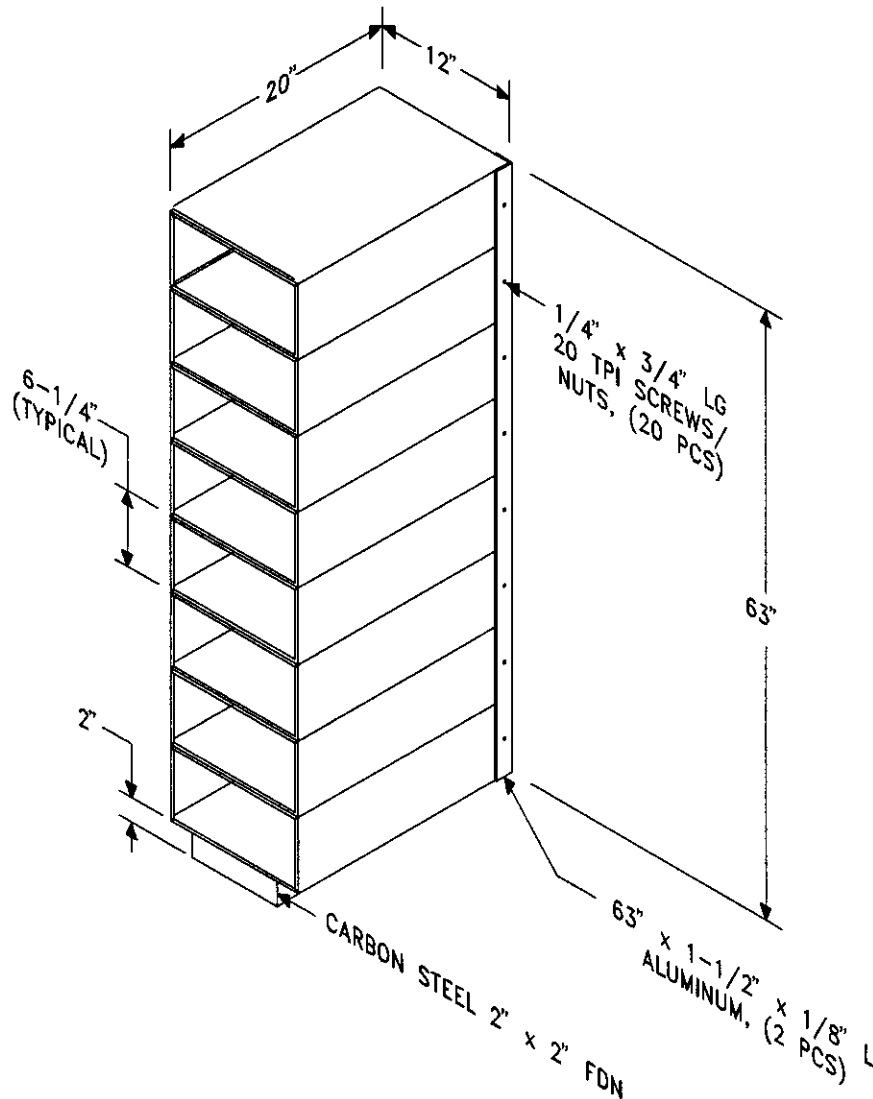
SIDE VIEW

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 050
GENERAL QUARTERS EQUIPMENT STOWAGE LOCKER
VERSION 2 (PAGE 1 OF 2)

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
6	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
6	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY64, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
36	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
12	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		

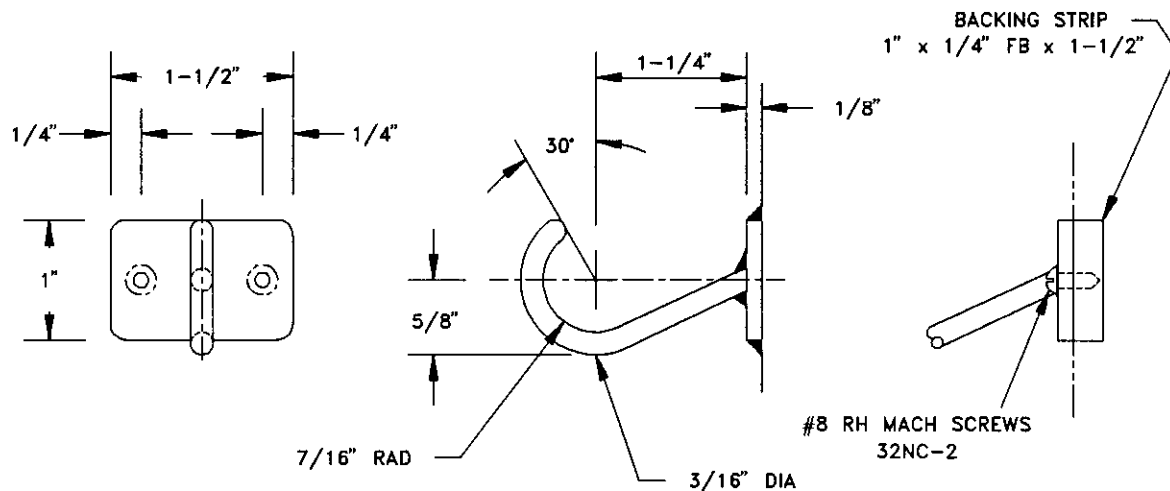
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 050
GENERAL QUARTERS EQUIPMENT STOWAGE LOCKER
VERSION 2 (PAGE 2 OF 2)

MCU 2P PROTECTIVE MASK/LIFE JACKET/ANTI-FLASH GEAR
STACKED STOWAGE CABINET WITH OPTIONAL QUANTITY OF SHELVES
DEPENDING ON REQUIREMENTS AND SPACE AVAILABLE.

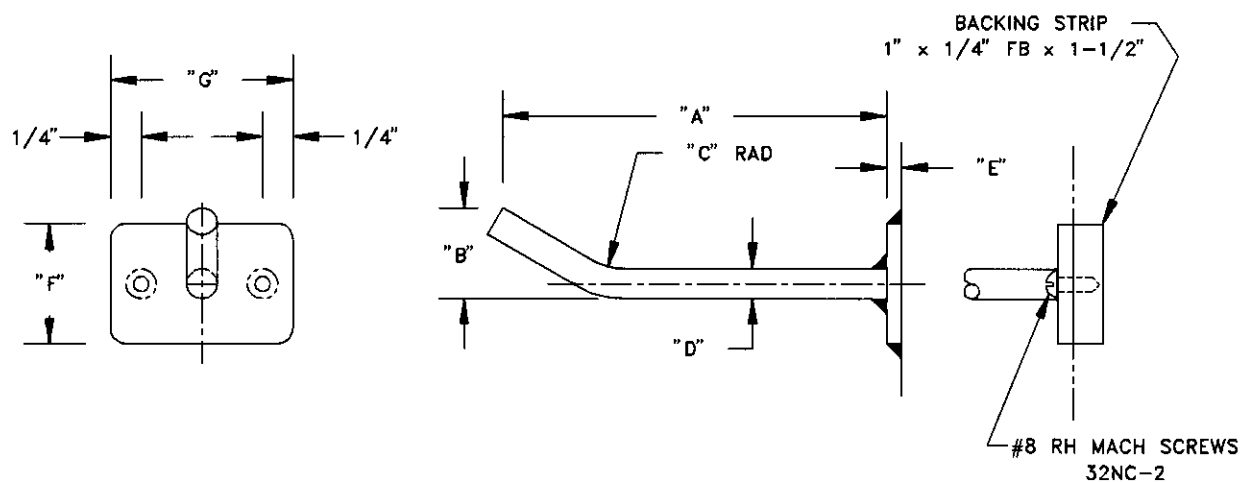


NOTE: INDIVIDUAL BOXES TO BE
.0625" ALUMINUM. SPOT WELDED.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 051
GENERAL QUARTERS EQUIPMENT STOWAGE
VERSION 3

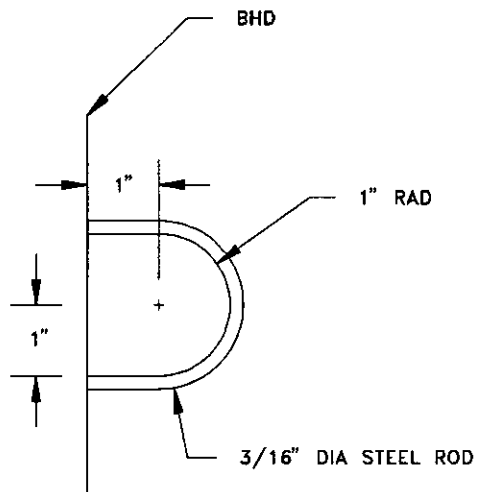


BAG HOOK

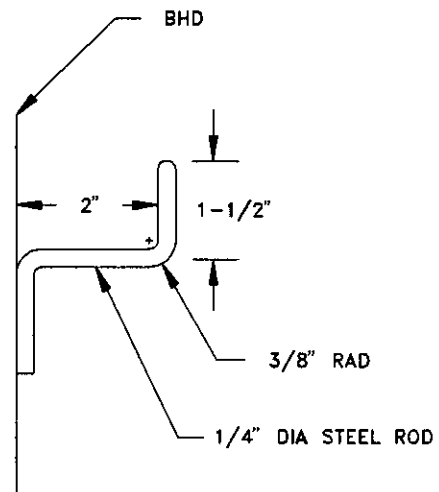


BOLT CUTTER HOOK

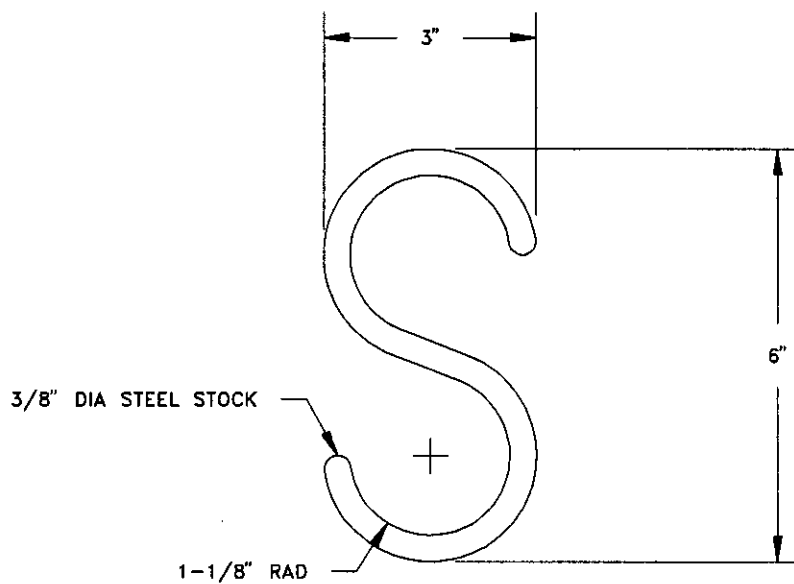
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 052
HOOKS, MISCELLANEOUS DAMAGE CONTROL STOWAGE
PAGE 1 OF 3



"M" STAPLE

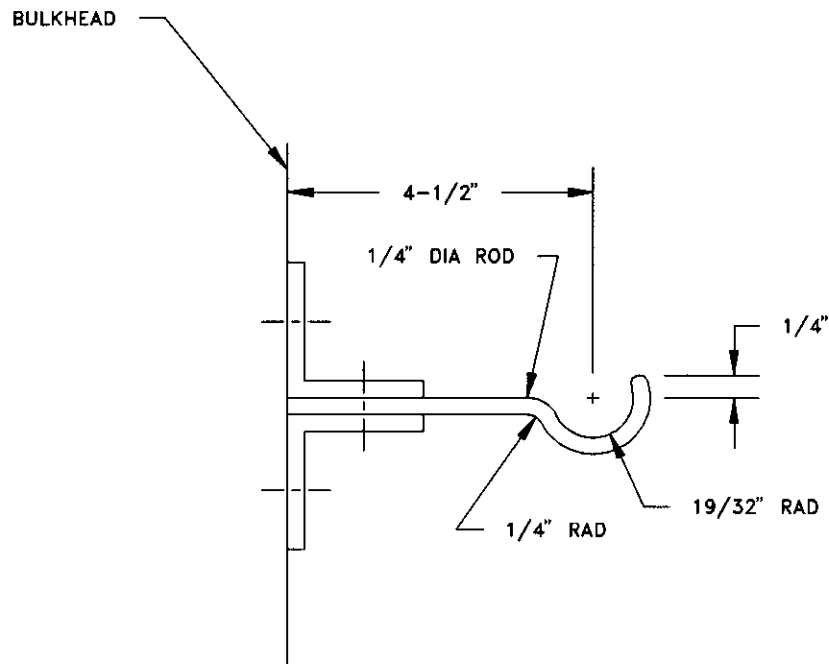


HOOK



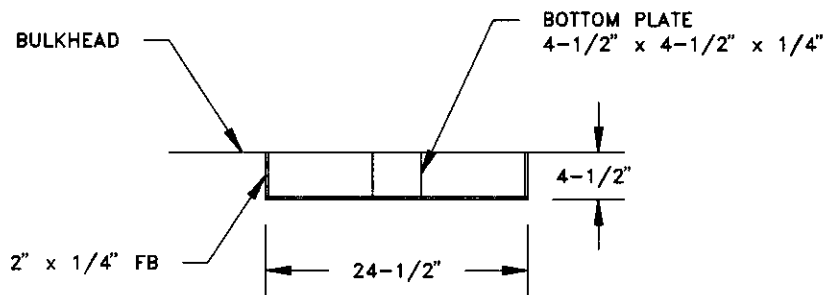
"S" HOOK

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 052
HOOKS, MISCELLANEOUS DAMAGE CONTROL STOWAGE
PAGE 2 OF 3

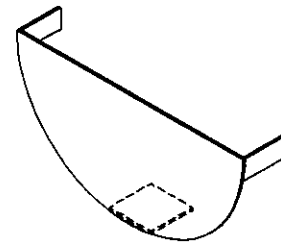


"Y" SUPPORT

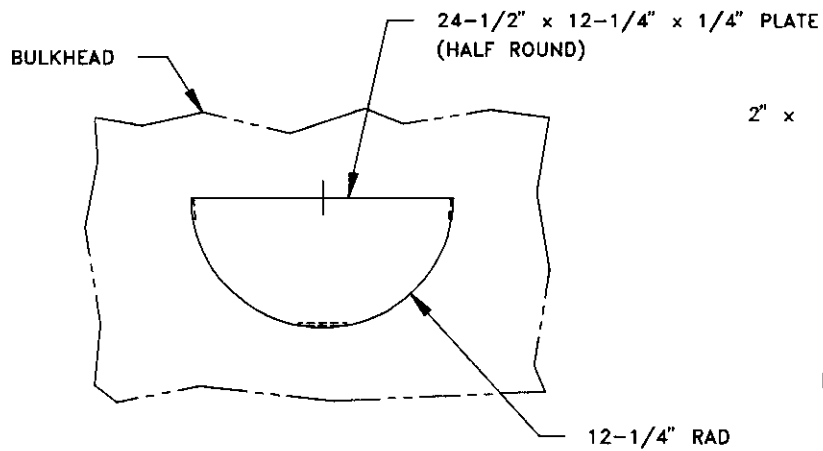
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 052
HOOKS, MISCELLANEOUS DAMAGE CONTROL STOWAGE
PAGE 3 OF 3



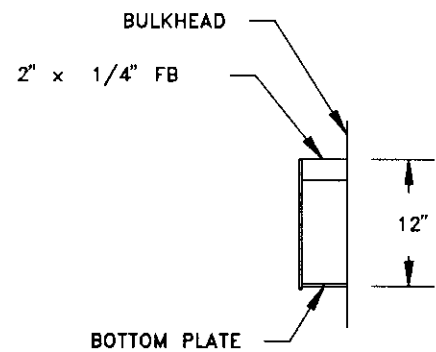
PLAN



ISOMETRIC VIEW



ELEVATION

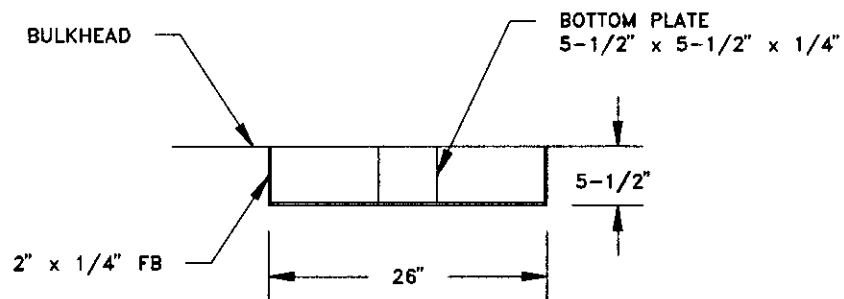


SIDE VIEW

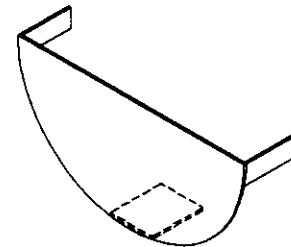
1-1/2" x 50' FIRE HOSE CRADLE

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 053

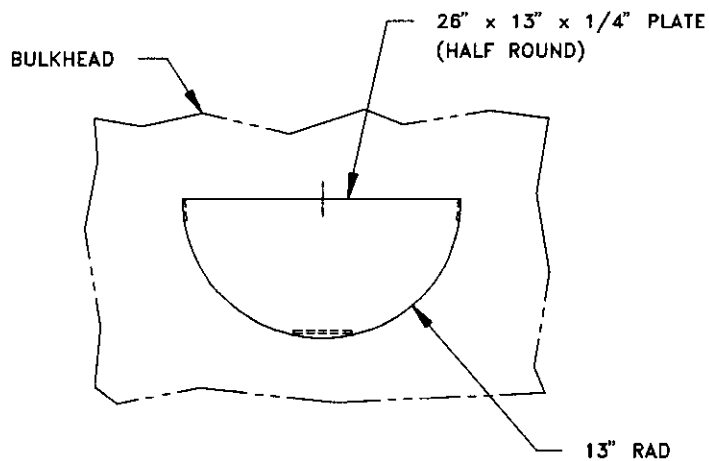
**HOSE STOWAGE (CRADLE)
VERSION 1 (PAGE 1 OF 3)**



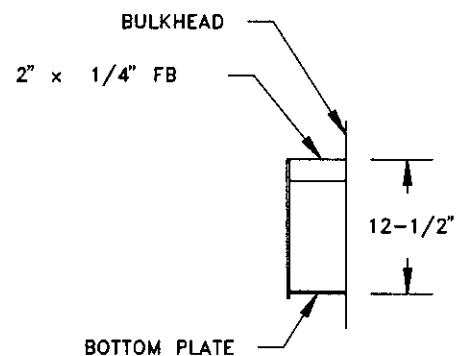
PLAN



ISOMETRIC VIEW



ELEVATION

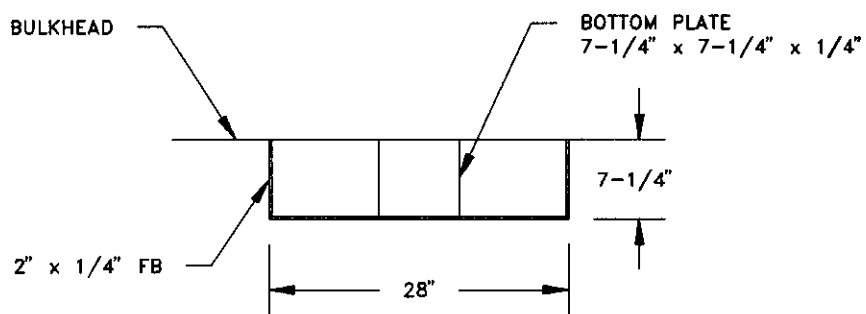


SIDE VIEW

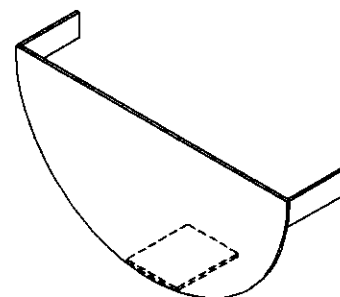
2-1/2" x 50' FIRE HOSE CRADLE

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 053

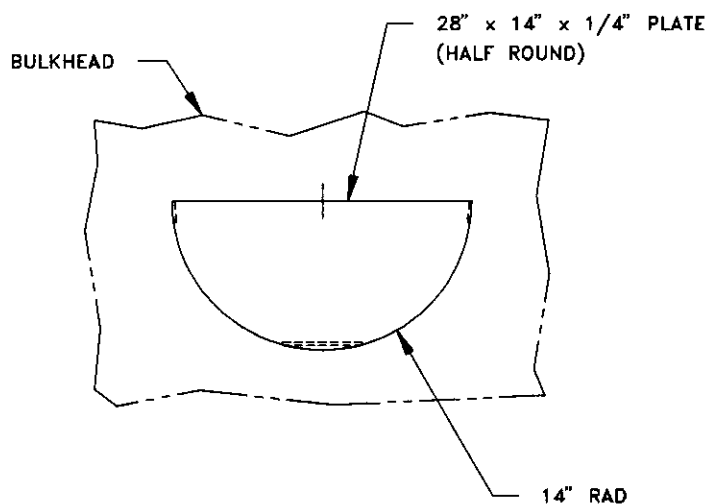
HOSE STOWAGE (CRADLE)
VERSION 1 (PAGE 2 OF 3)



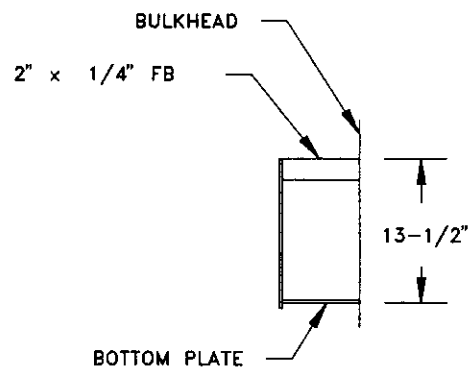
PLAN



ISOMETRIC VIEW



ELEVATION



SIDE VIEW

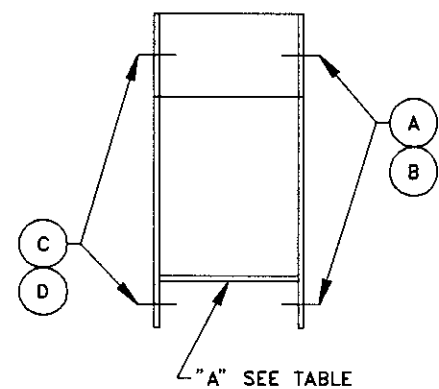
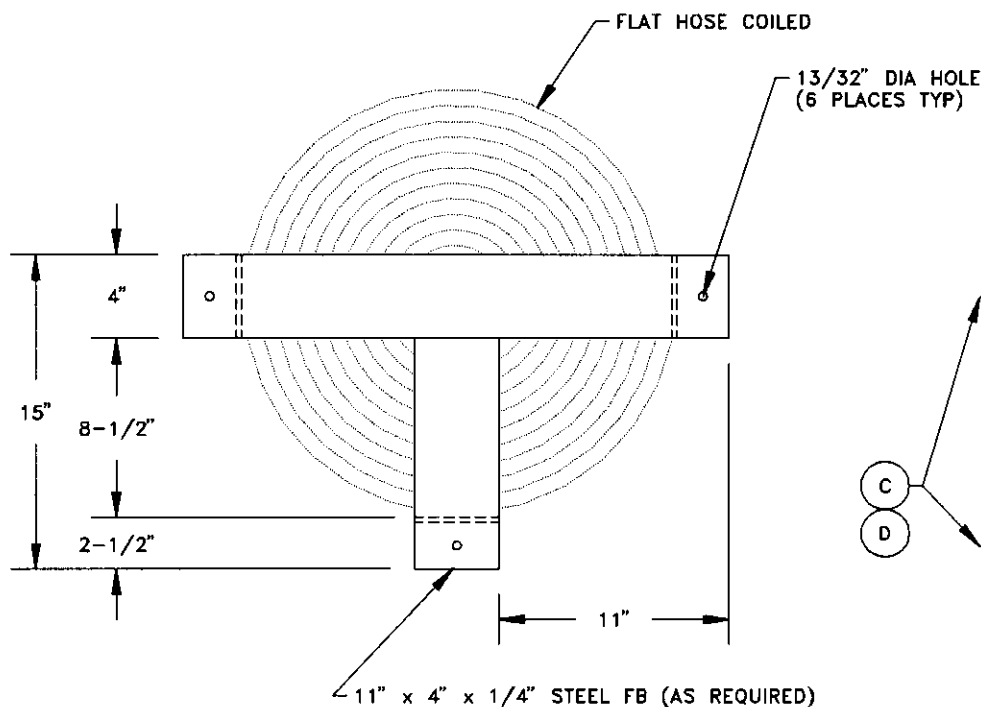
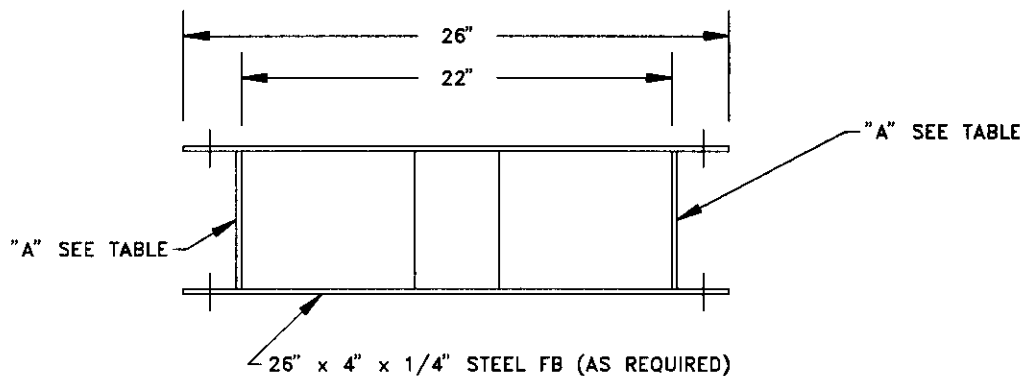
4" x 50' DISCHARGE HOSE CRADLE

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 053

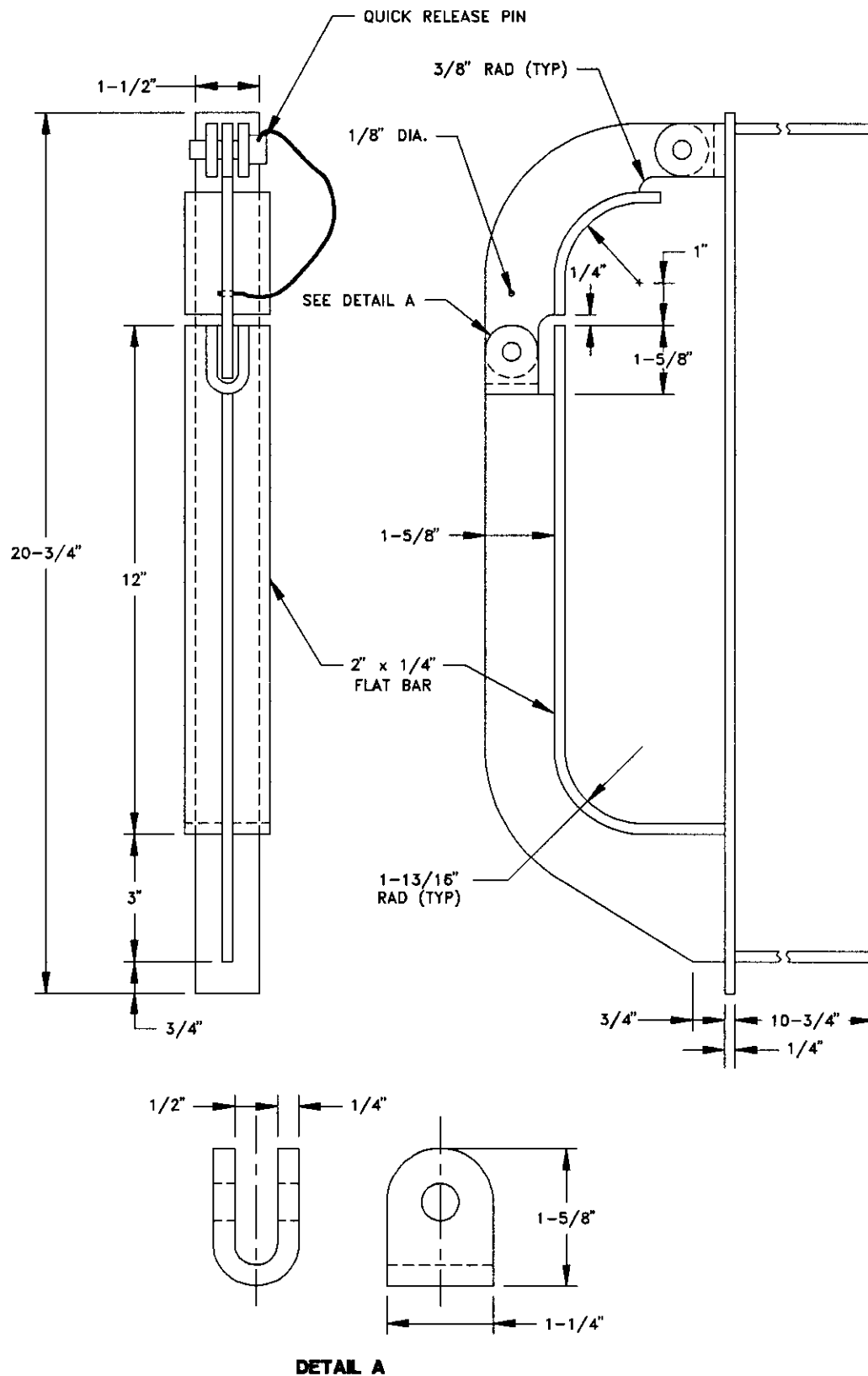
**HOSE STOWAGE (CRADLE)
VERSION 1 (PAGE 3 OF 3)**

NOM ϕ (HOSE)	"A" DIMENSION
1-1/2"	4" x 1/4" x 2-3/4" STEEL FB (AS REQUIRED)
2-1/2"	4" x 1/4" x 4-1/2" STEEL FB (AS REQUIRED)
4"	4" x 1/4" x 6-5/8" STEEL FB (AS REQUIRED)

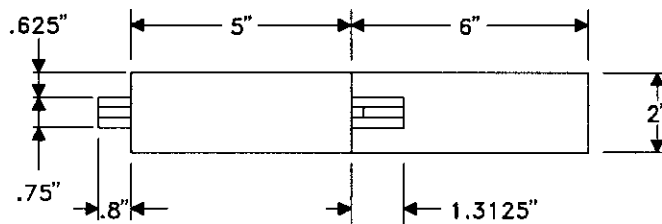
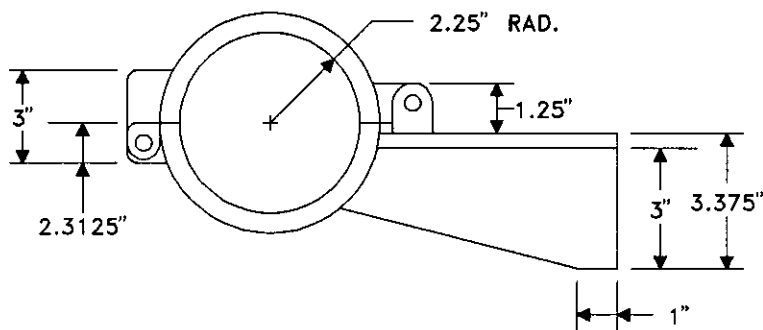
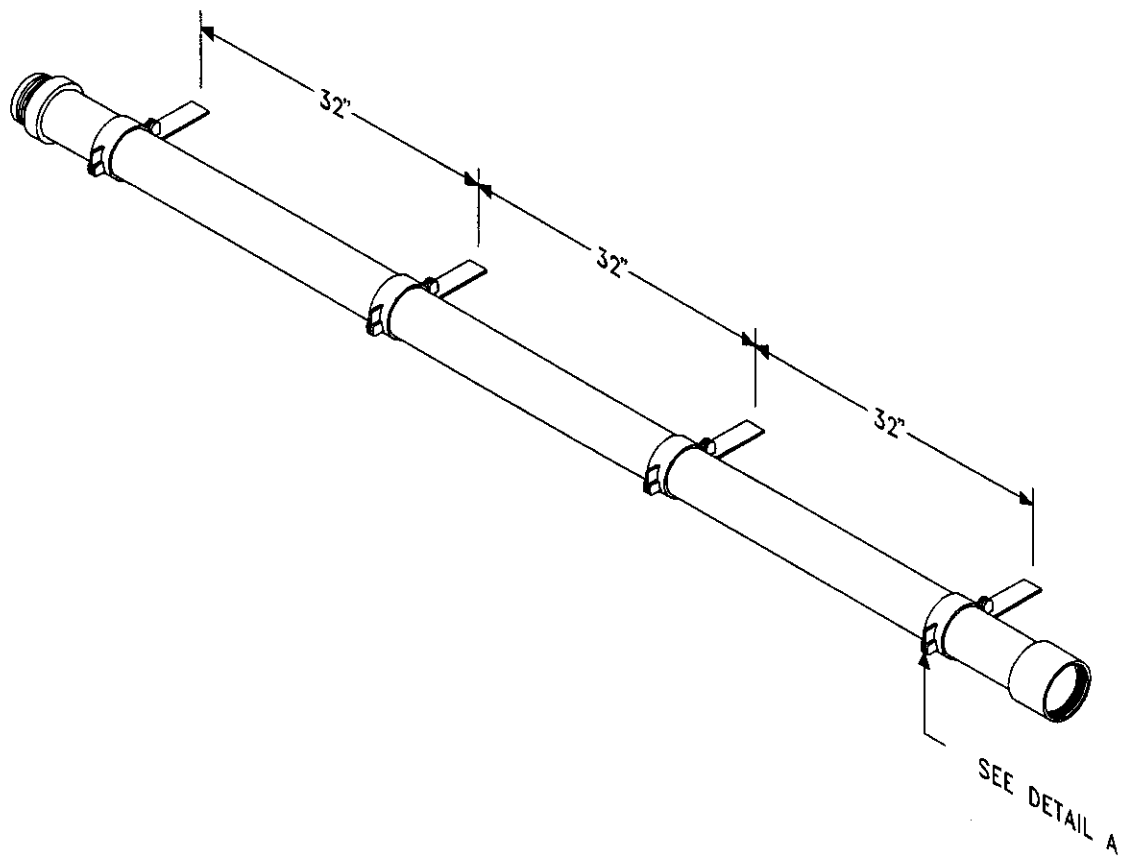
- (A) PAD, TAPPED, ROUND, 3/8"-16 UNC-2 BX, 1" LONG STEEL (AS REQUIRED)
- (B) BOLT, HEX HEAD, SELF LOCKING, 3/8"-16 UNC-2 A, 1" LONG, STEEL (AS REQUIRED)
- (C) BOLT, HEX HEAD, 3/8"-16 UNC-2 A, 1" LONG, STEEL (AS REQUIRED)
- (D) NUT, HEX, SELF LOCKING, 3/8"-UNCJ-3 B, STEEL (AS REQUIRED)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 054 **HOSE STOWAGE (CRADLE)** **VERSION 2**

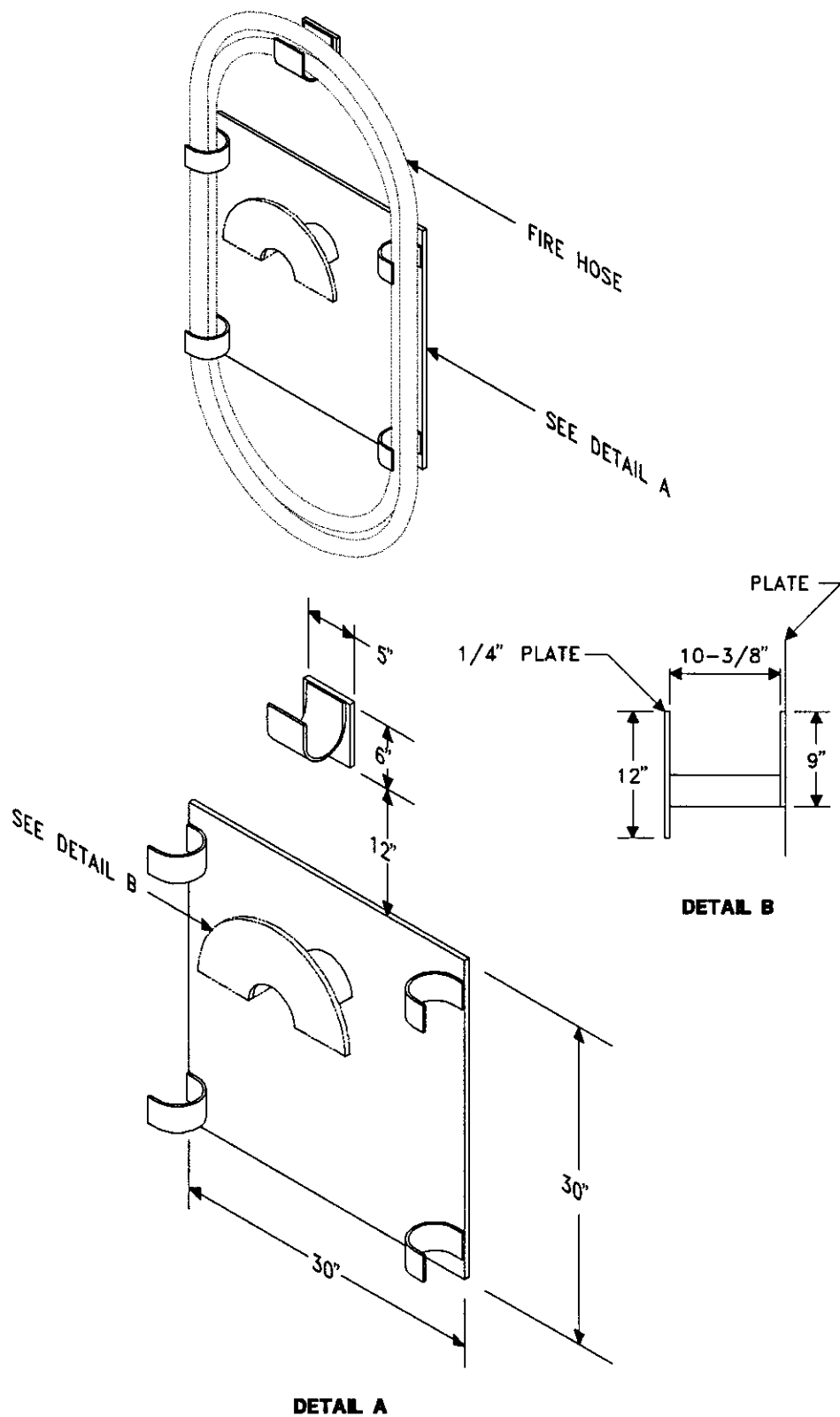


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 055
HOSE STOWAGE BRACKET (FOUR 3" x 10' SUCTION ONLY)

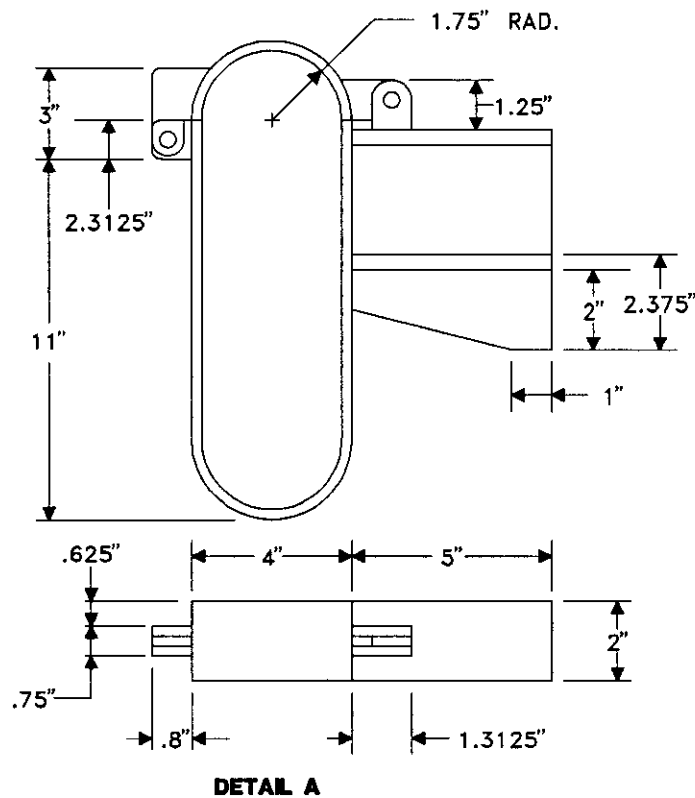
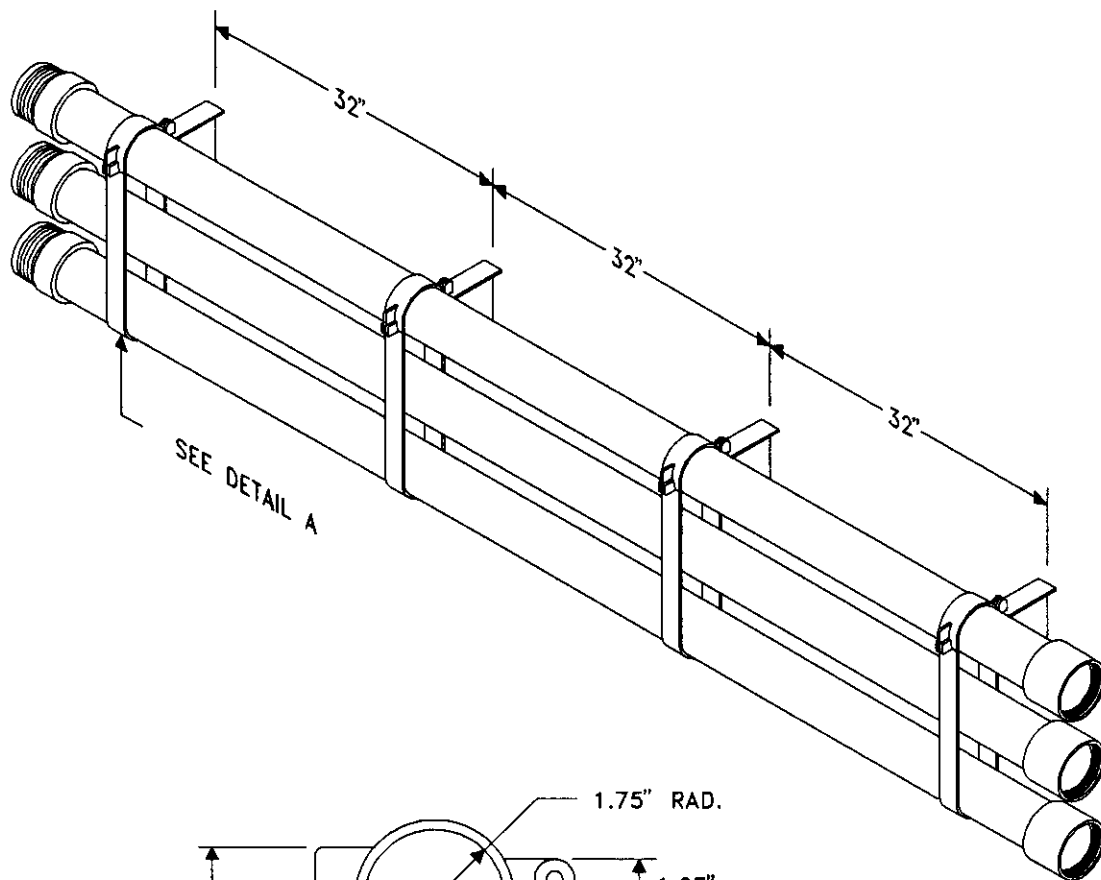


DETAIL A

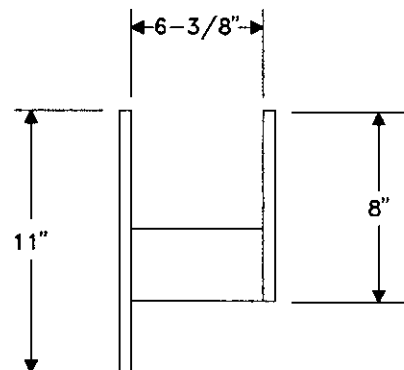
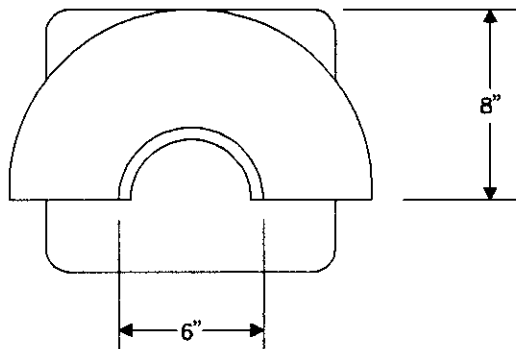
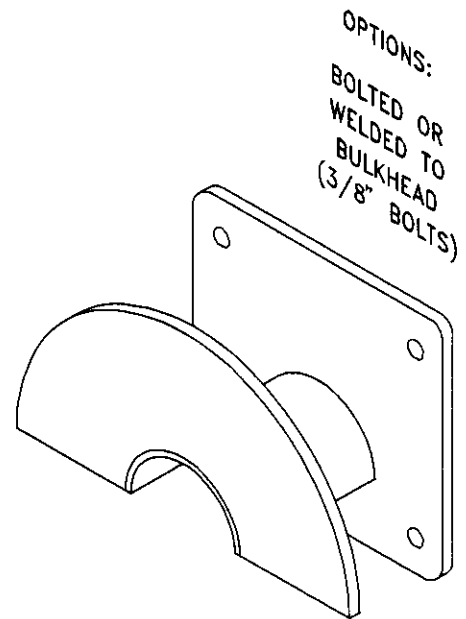
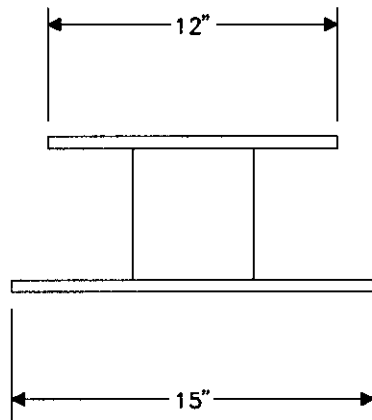
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 056
HOSE STOWAGE RACK (ONE 4" x 10' DISCHARGE HOSE)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 057
HOSE STOWAGE RACK, ONE 2" x 20' EXHAUST RUBBER HOSE - P250
AND TWO 2-1/2" x 50' FIRE HOSE

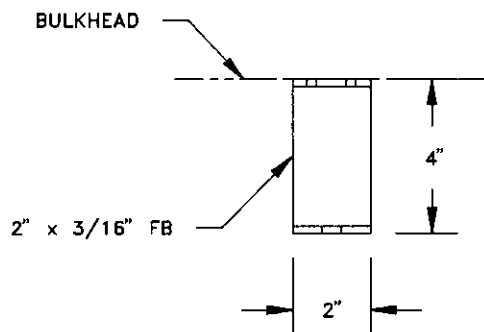
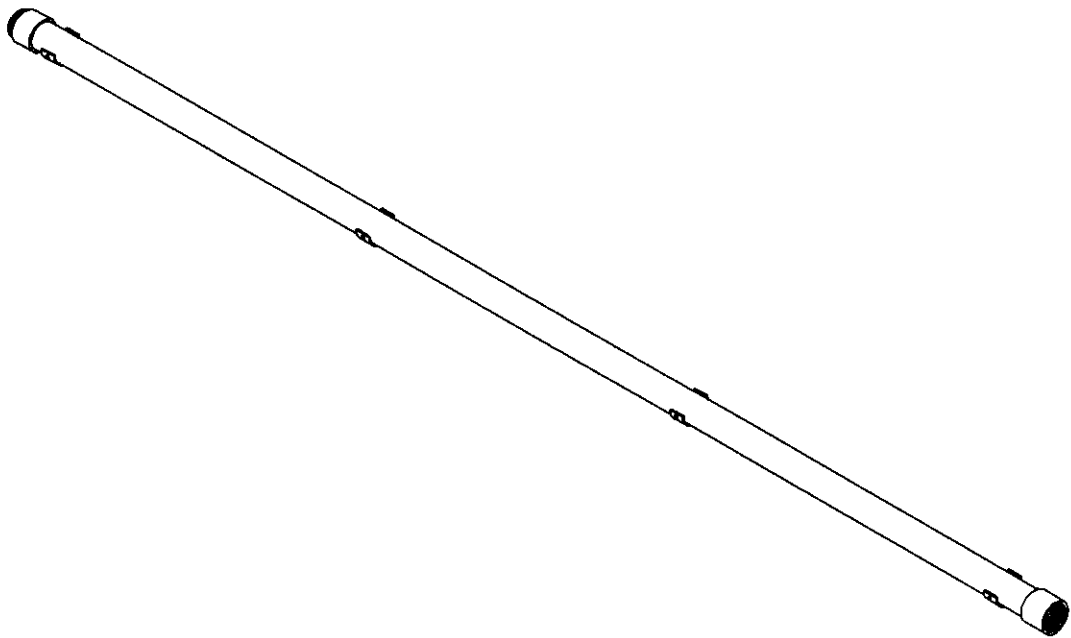


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 058
HOSE STOWAGE RACK (THREE 3" x 10' SUCTION HOSE - P250)
OR (FOUR 2-1/2" x 10' SUCTION HOSE - SUB-PUMP)

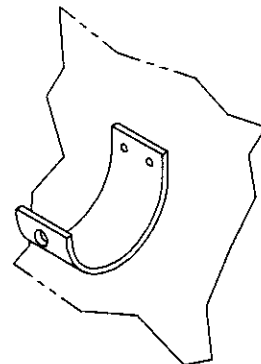


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 059

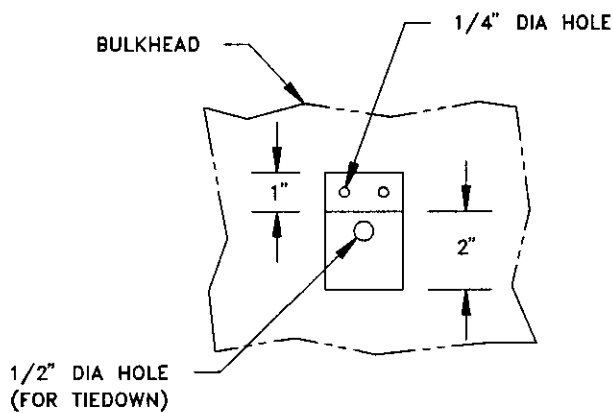
HOSE STOWAGE RACK (TWO 1-1/2" x 50' FIRE HOSE)



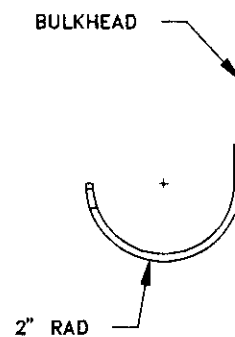
PLAN



ISOMETRIC VIEW

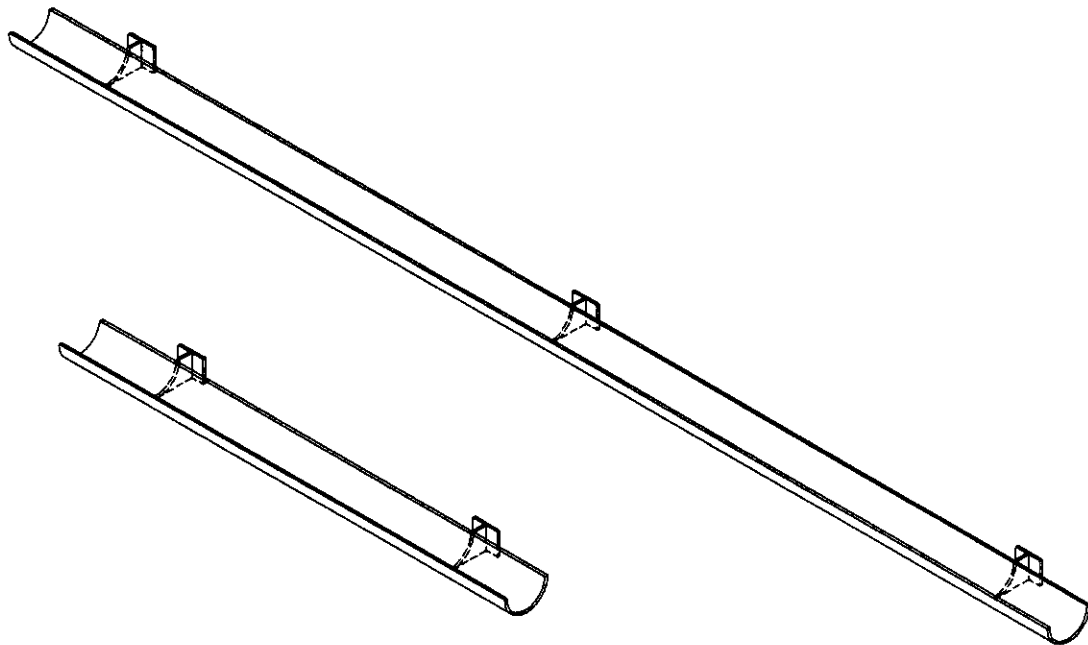


ELEVATION

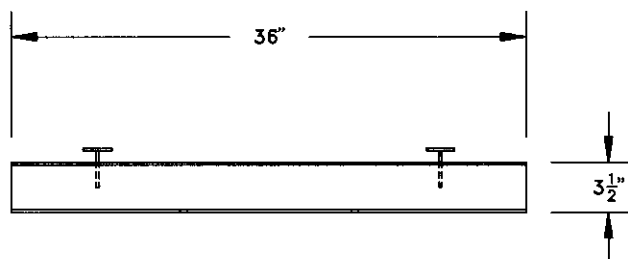


SIDE VIEW

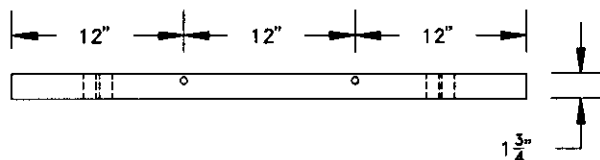
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 060 **HOSE STOWAGE RACK (HARD HOSE CLIPS) 10' AND 20' LENGTHS**



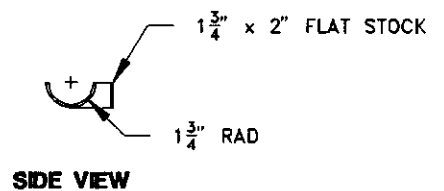
ISOMETRIC VIEW



PLAN

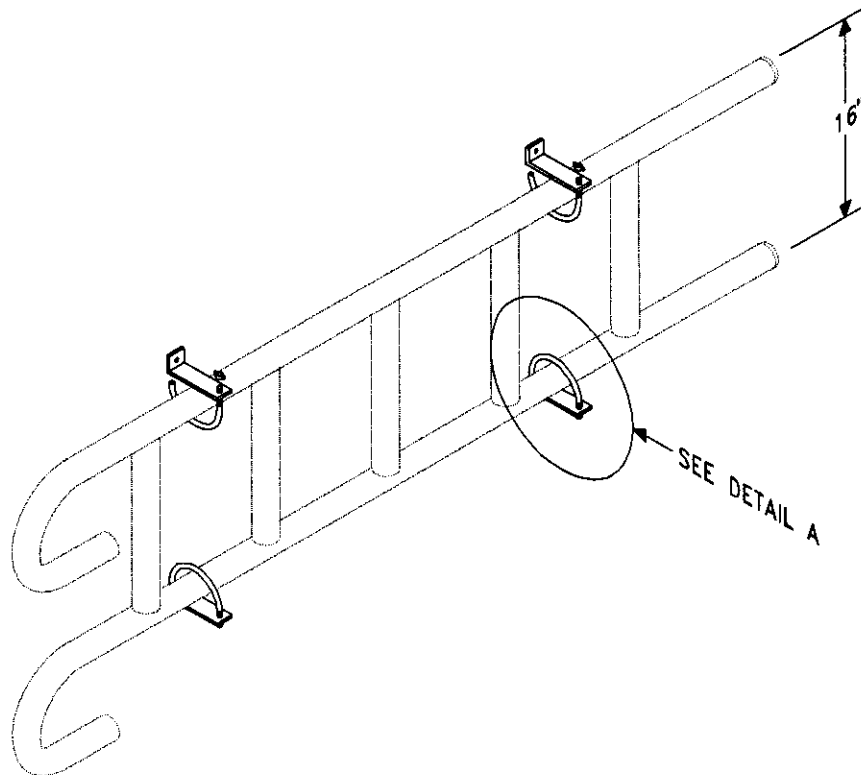


ELEVATION

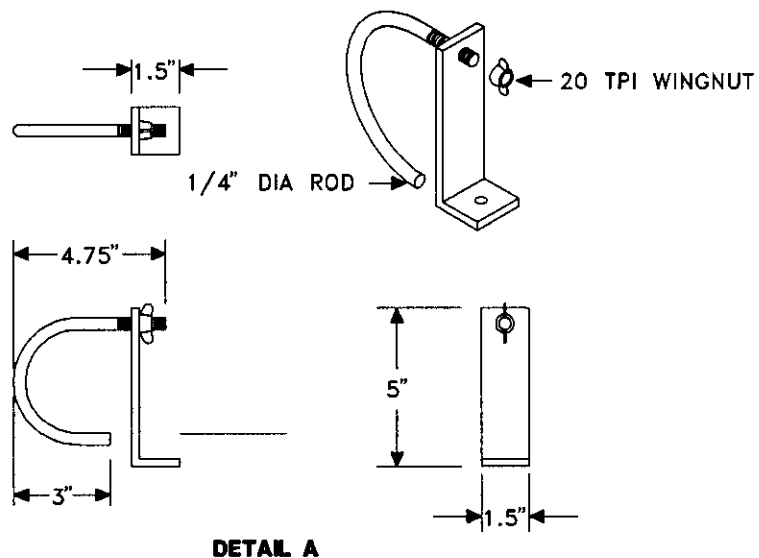


SIDE VIEW

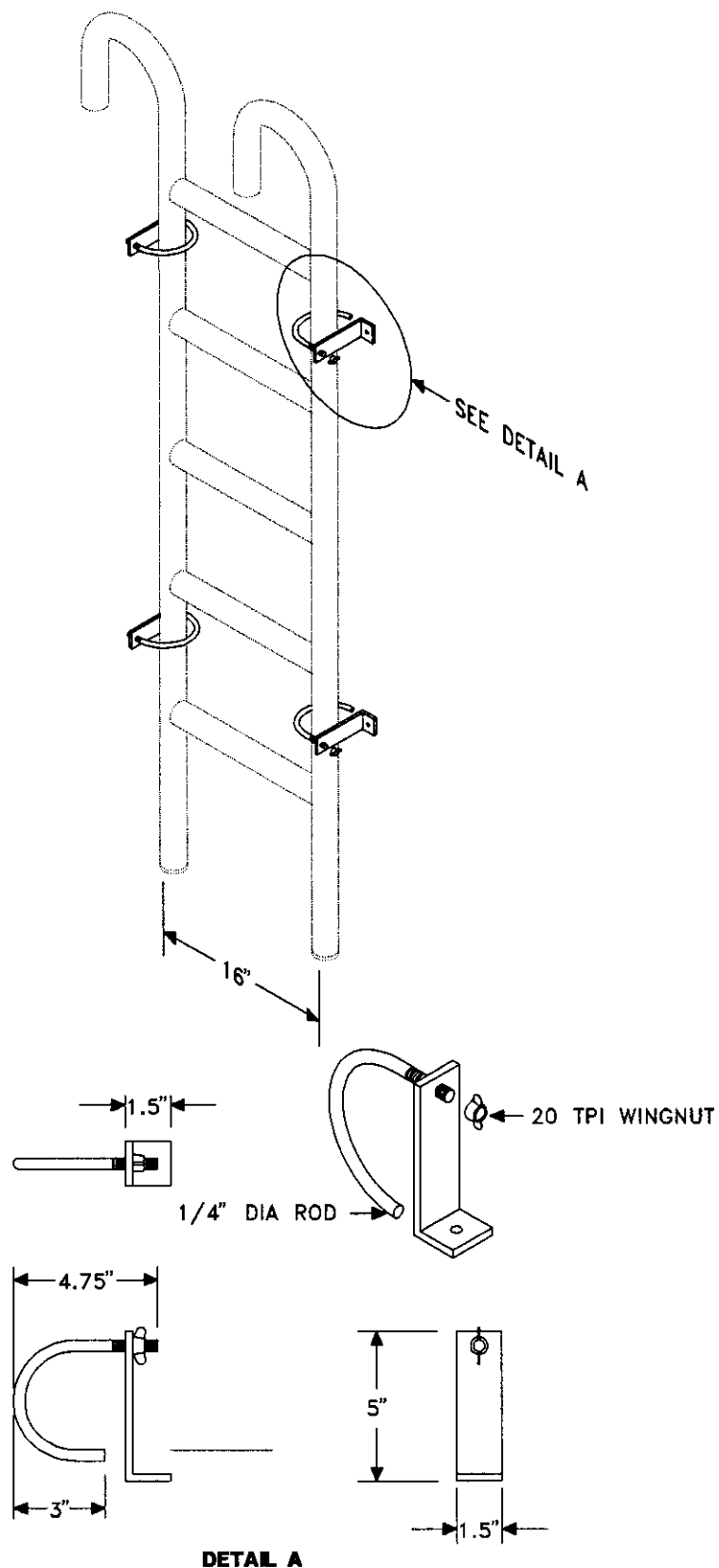
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 061
HOSE STOWAGE RACK (HARD SUCTION)
3-1/2" x 36" AND 3-1/2" x 84" LENGTHS



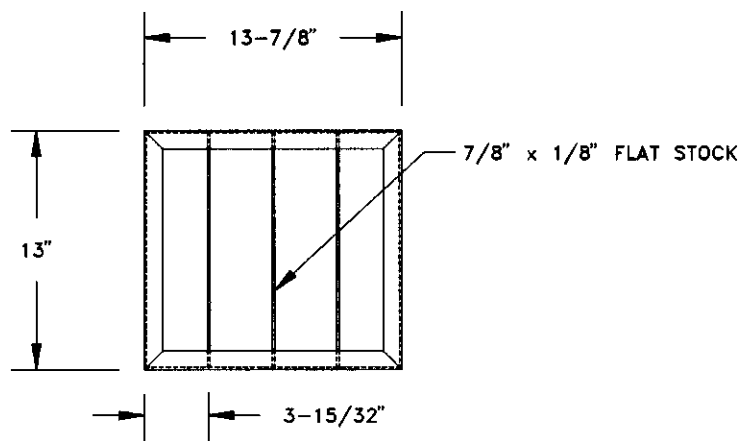
BULKHEAD MOUNTED (HORIZONTAL)



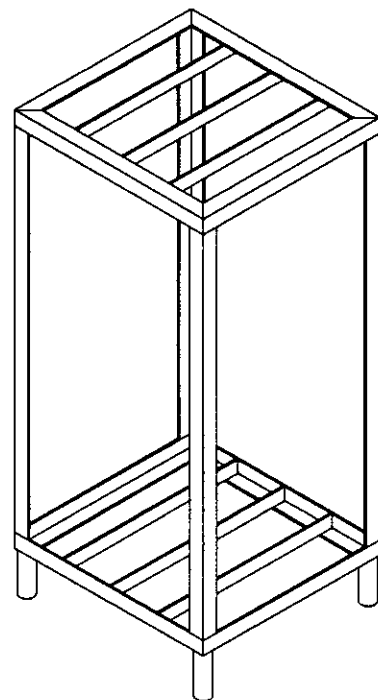
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 062
LADDER, (6 FT SCALING) STOWAGE BRACKETS
HORIZONTAL



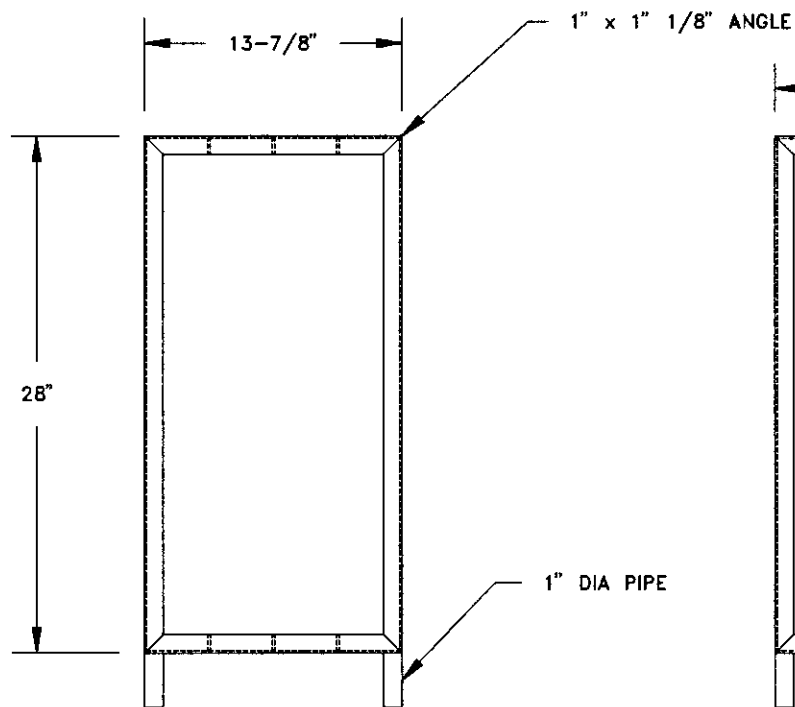
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 063
LADDER, (6 FT SCALING) STOWAGE BRACKETS
VERTICAL



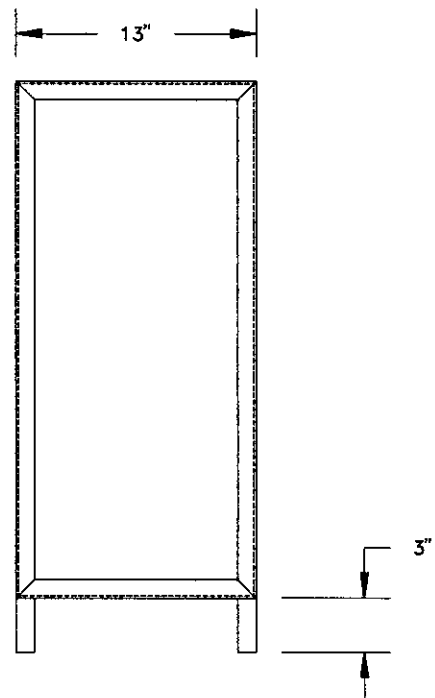
PLAN



ISOMETRIC VIEW

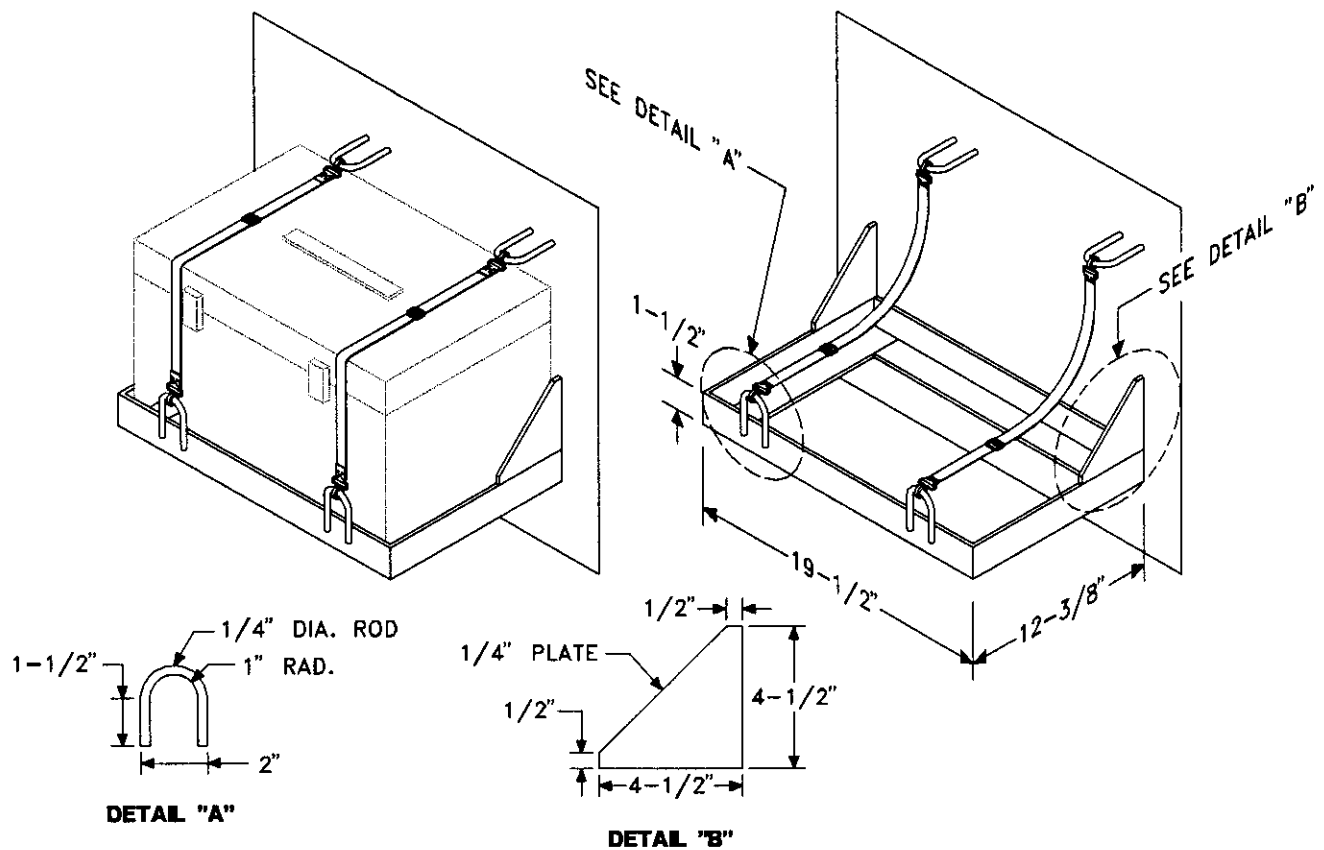


ELEVATION

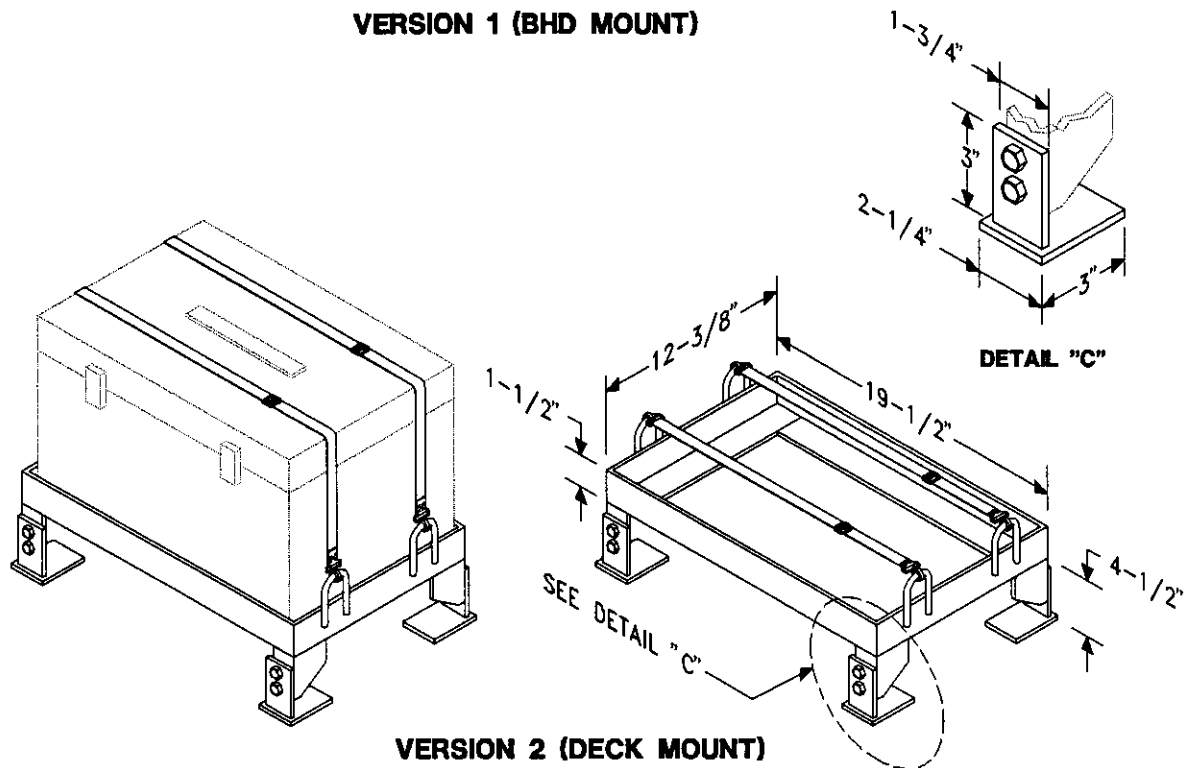


SIDE VIEW

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 064 **MISCELLANEOUS ACCESS TOOL STOWAGE RACK**



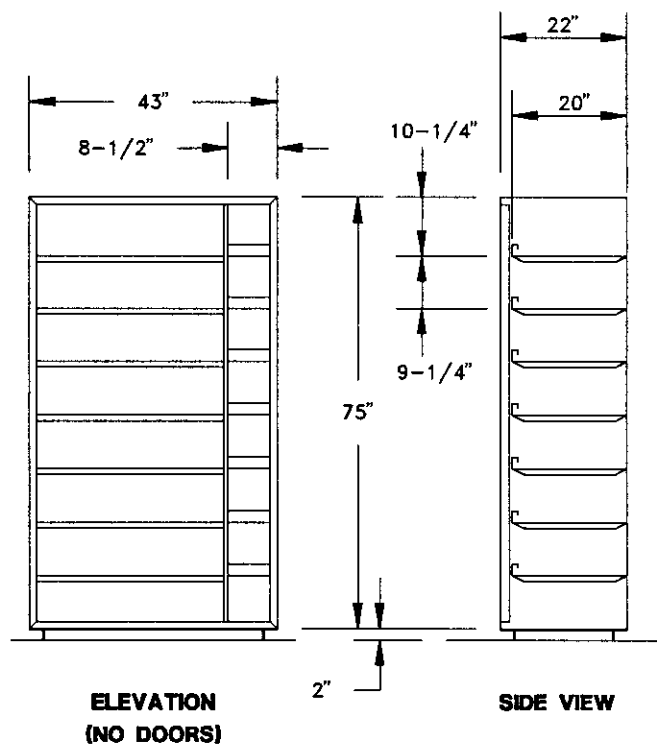
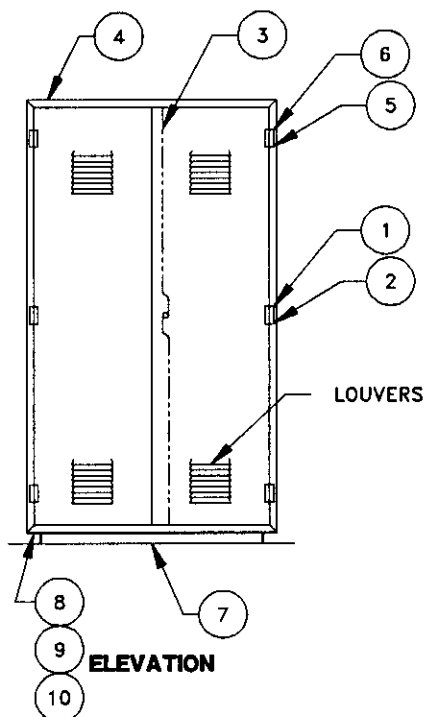
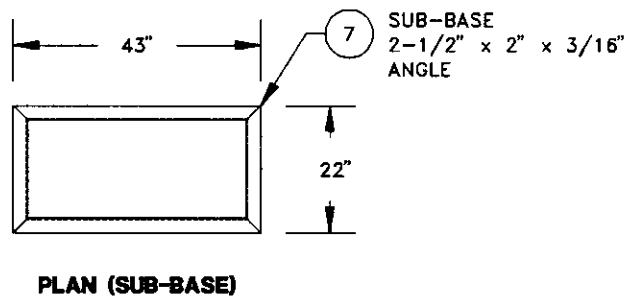
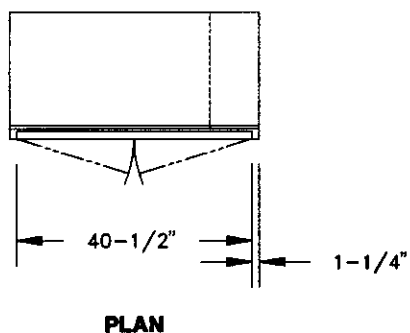
VERSION 1 (BHD MOUNT)



VERSION 2 (DECK MOUNT)

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 065

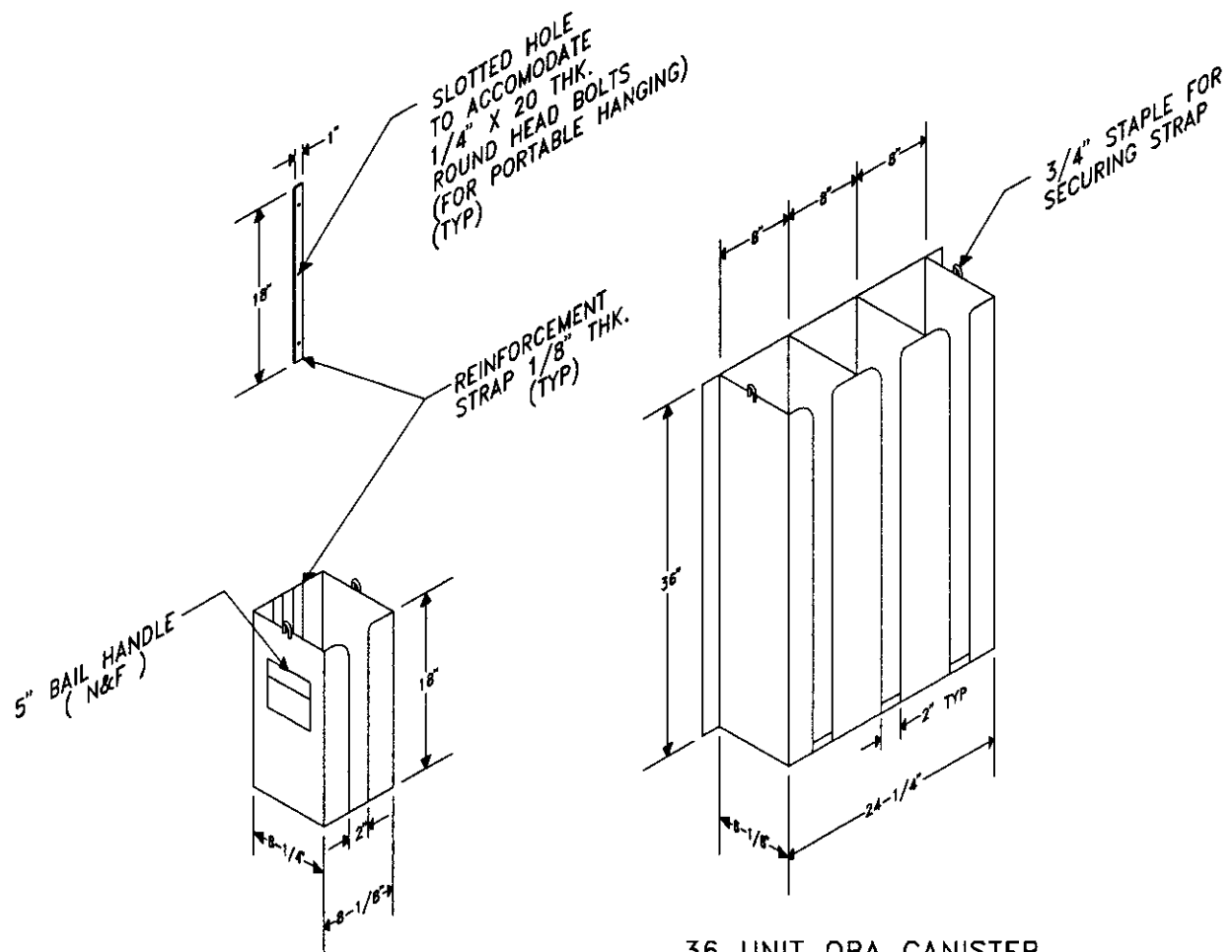
NFTI STOWAGE RACK



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 066
OBA & OBA CANISTER STOWAGE LOCKER
PAGE 1 OF 2

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
6	1	HINGE, 2" x 1-5/8"	STL CAD PLTD	NN STOCK 17-15-302	
6	2	ANTI-RATTLER	RUBBER PURE GUM		
1	3	LOCKING DEVICE	SEE DET DWG	ASSY64, REF 6	
1	4	LOCKER	SEE DET DWG	REF 5	
12	5	HUCK RIVET SELF PLUGGING BLIND NO. P-6-D	ALUMINUM		
12	6	HUCK COMMERCIAL LOCK BOLT NO. CLPB F6-2	ALUMINUM		
12LF	7	ANGLE, BASE, 2-1/2" x 2" x 3/16"	MED STL		
22	8	BOLT, 1/4"-20UNC 2A	STL (ZINC COAT)		L-3/4"
22	9	NUT, HEX, 1/4"-20UNC 2B	STL (ZINC COAT)		
22	10	WASHER, LOCK	STL (ZINC COAT)		

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 066
OBA & OBA CANISTER STOWAGE LOCKER
PAGE 2 OF 2

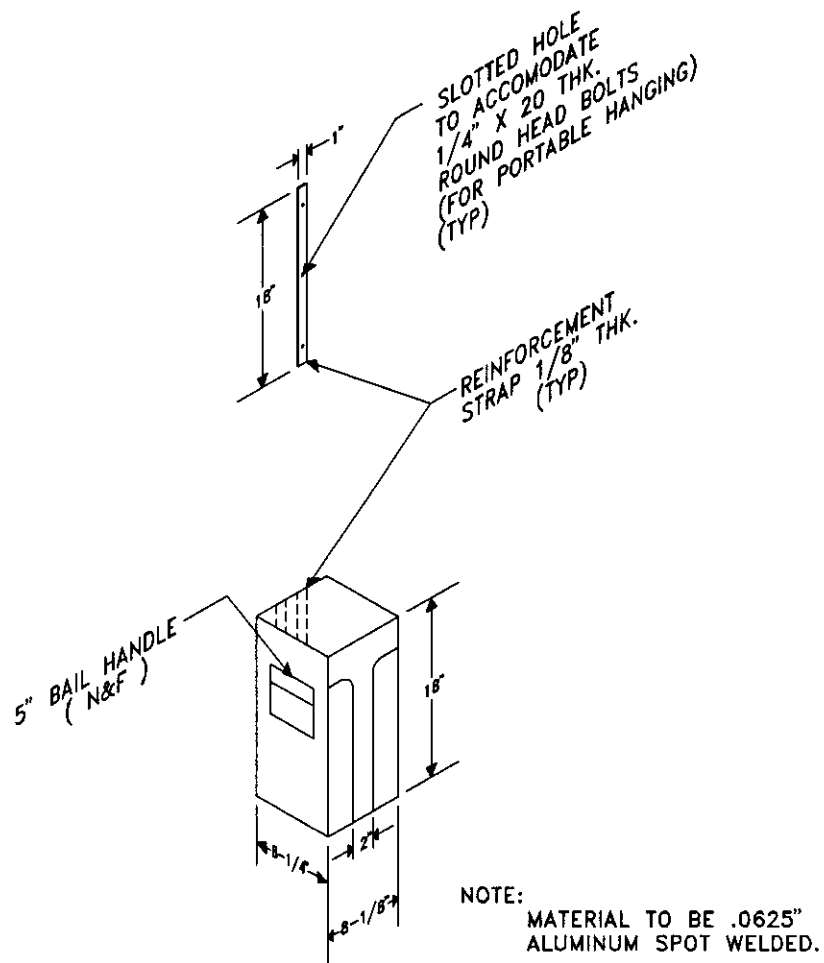


SIX UNIT OBA CANISTER
STOWAGE RACK
READY SERVICE, PORTABLE

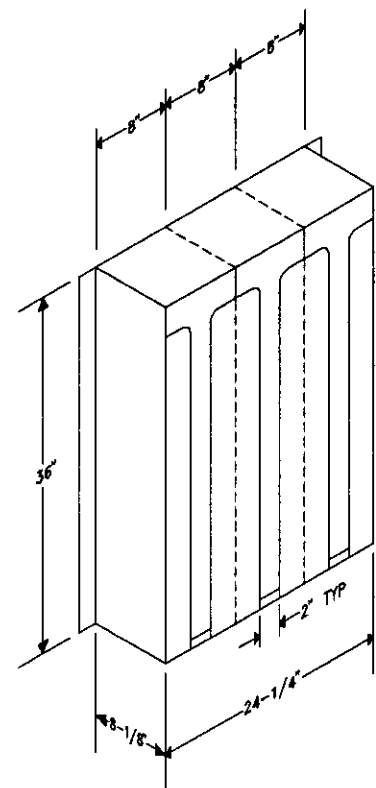
36 UNIT OBA CANISTER
STOWAGE RACK
READY SERVICE

NOTE:
MATERIAL TO BE .0625"
ALUMINUM SPOT WELDED.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 067
OBA CANISTER STOWAGE (RACK)
VERSION 1

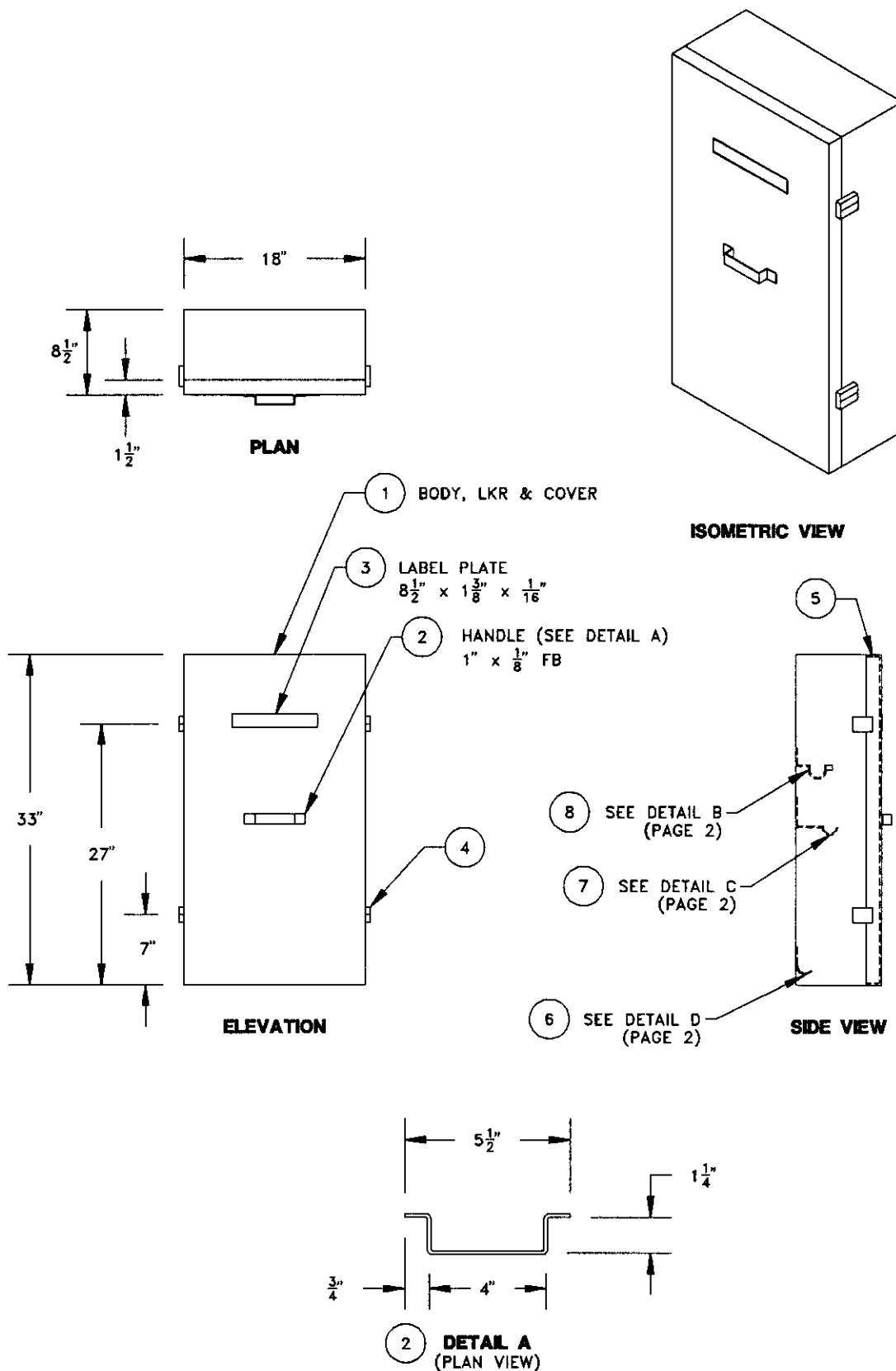


SIX UNIT OBA CANISTER
STOWAGE RACK
READY SERVICE, PORTABLE

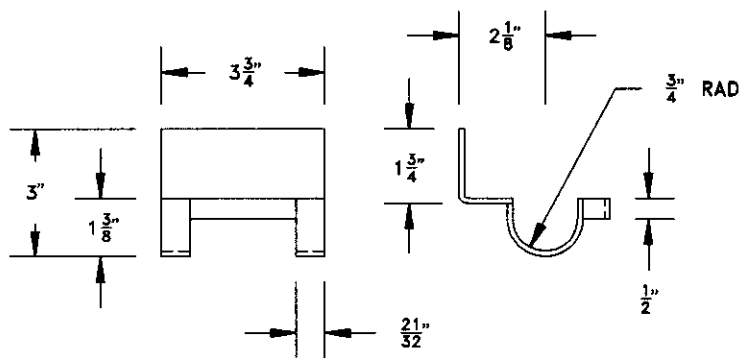


36 UNIT OBA CANISTER
STOWAGE RACK
READY SERVICE

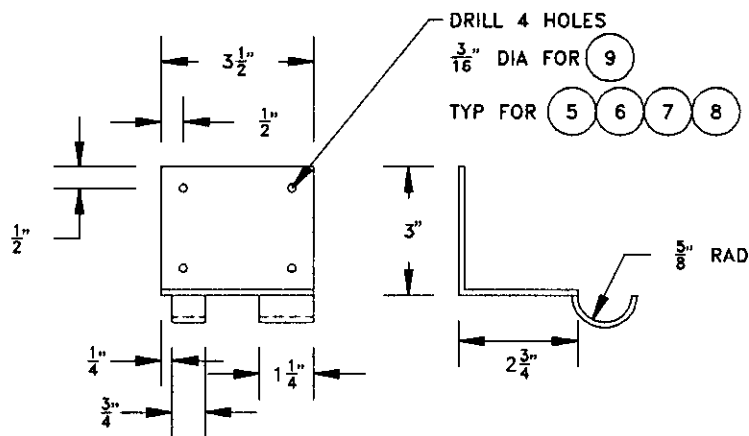
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 068
OBA CANISTER STOWAGE (RACK)
VERSION 2



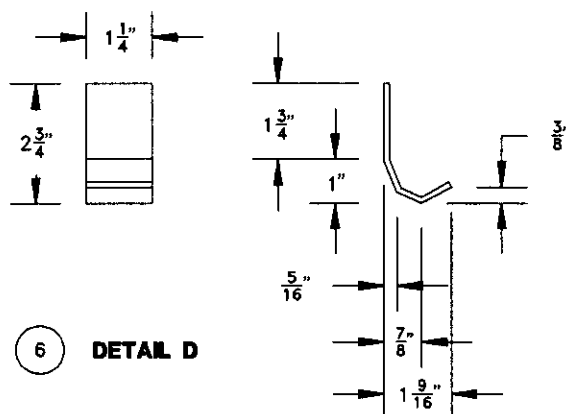
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 069
OBA STOWAGE LOCKER, SINGLE UNIT
(PAGE 1 OF 3)



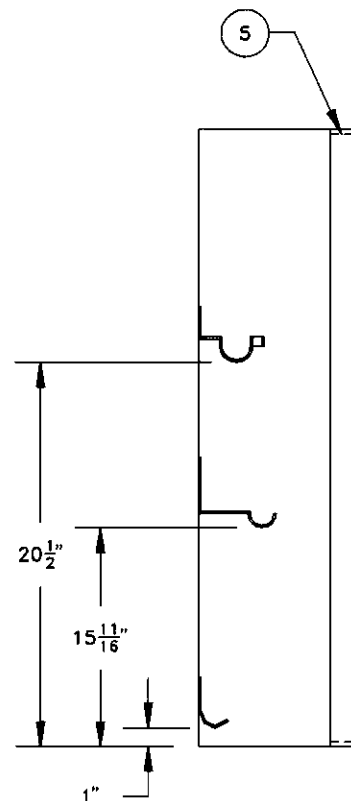
8 DETAIL B



7 DETAIL C



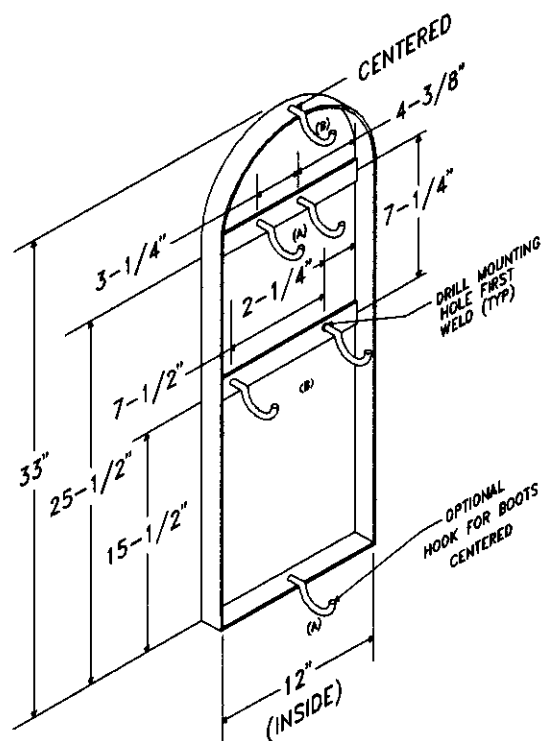
6 DETAIL D



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 069 **OBA STOWAGE LOCKER, SINGLE UNIT** **(PAGE 2 OF 3)**

	ASSY	LIST OF MATERIAL			
QTY	PART NO.	NAME	MATERIAL	REFERENCES	REMARKS
2	1	BODY, LKR & COVER	AL ALY5052 H32 ASTM-B-209		.080" THK
2	2	HANDLE	AL ALY5052 H32 ASTM-B-209		.125" THK, 1" WIDE
1	3	PLATE, LABEL, .062	CRES-CL-304 QQ-S-766		POLISHED (1) SIDE
8	4	CATCH, DRAW PULL	STL ZINC PL		TO CORBIN 15824ZP
2	5	SHEET, RUBBER 1/16" THK	SYN RUBBER MIL-R-900		
2	6	BRACKET, SUPPORTING	AL ALY5052 H32 ASTM-B-209		.125" THK,
1	7	BRACKET, RETAINING	AL ALY5052 H32 ASTM-B-209		.125" THK
1	8	SUPPORT, MASK	AL ALY5052 H32 ASTM-B-209		.125" THK,
28	9	RIVET, BLIND DH 1/8" DIA.	AL ALY MIL-R-24243		6-A-606F

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 069
OBA STOWAGE LOCKER, SINGLE UNIT
(PAGE 3 OF 3)



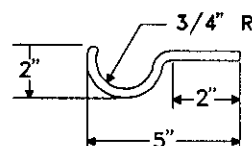
MATERIAL

FRAME:

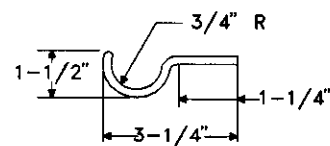
PLATE OR BAR STOCK
3/16" x 1-1/2" ALUMINUM

HOOKS:

3/8" DIAMETER
ALUMINUM ROD
SERIES 5062

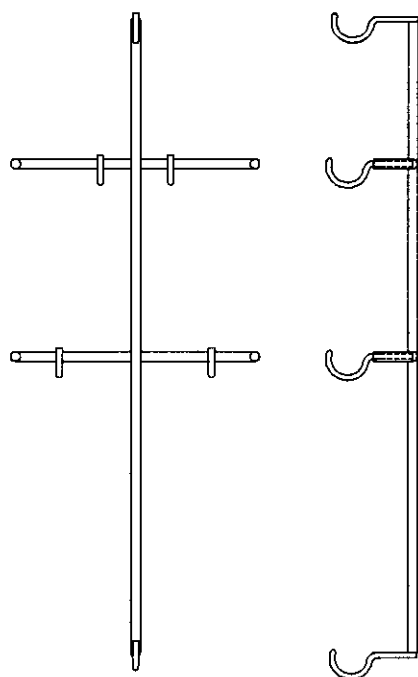


A (Qty 3)

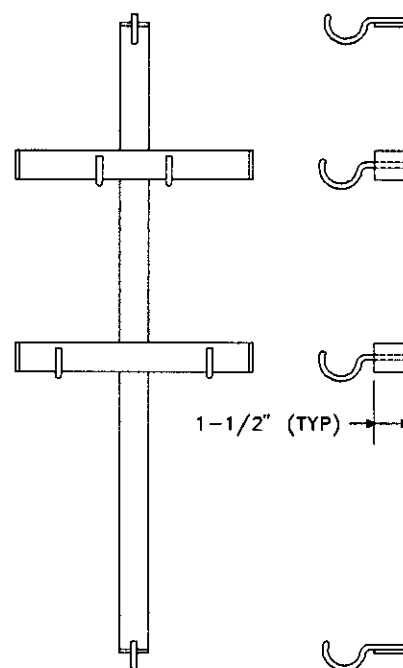


B (Qty 3)

ALTERNATE METHODS



ALL BAR STOCK



ALL PLATE

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 070

**OBA STOWAGE RACK
VERSION 1**

MATERIAL

FRAME: Aluminum Flat Bar

1 ea 3/16" X 1-1/2" X 11-5/8"

1 ea 3/16" X 1-1/2" X 78-1/2"

2 ea 3/16" X 1" X 6"

Aluminum Plate

1 ea 3/16" X 5-1/2" X 17-1/4"

1 ea 3/16" X 6" X 11-5/8"

STRAP:

1 ea 1/8" X 3/4" X 13-1/2" rubber with 3/4" hook (each end)

2 ea 1/16" X 5/8" X 7-1/2" canvas straps with lock snap assembly

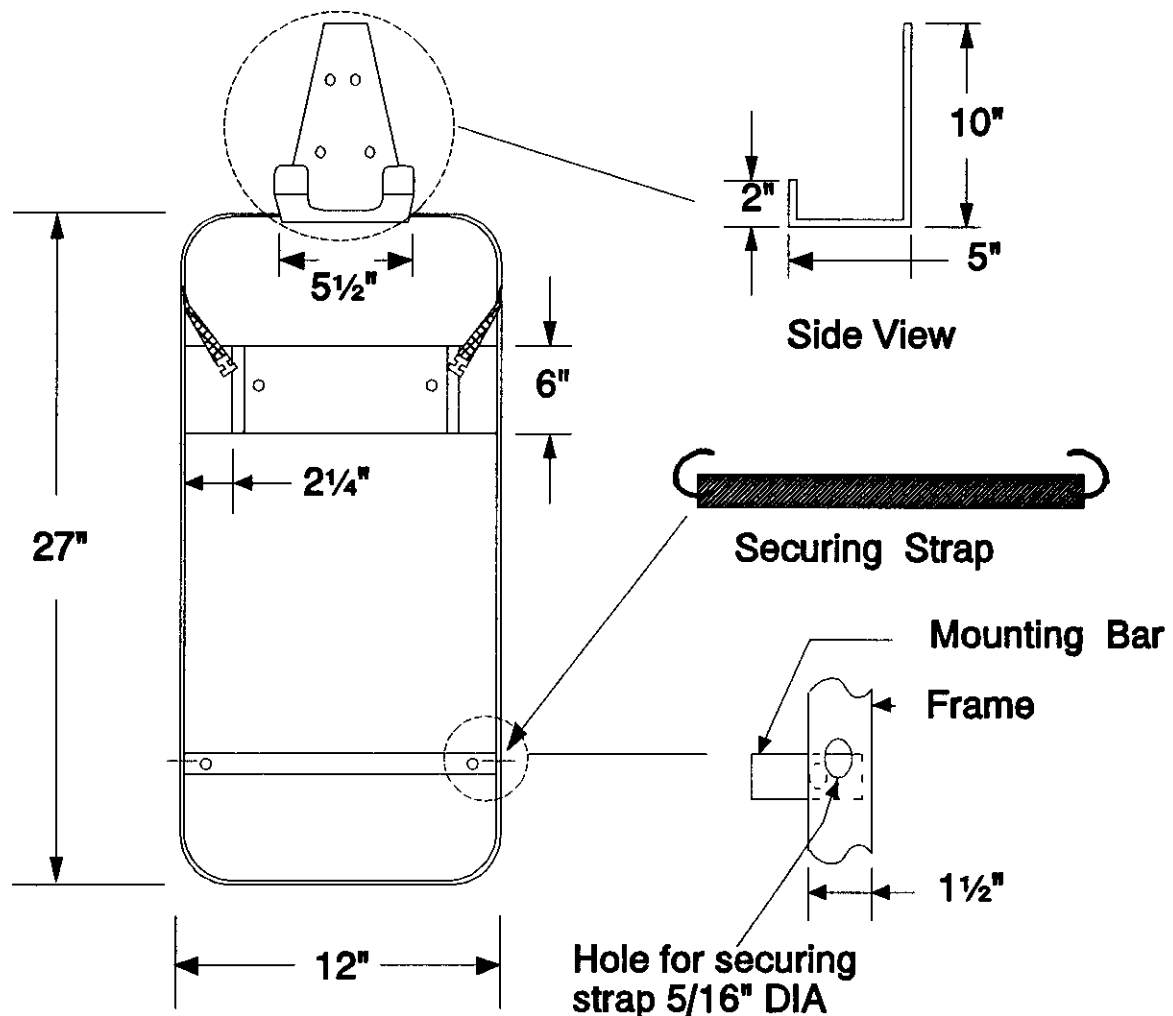
8 ea holes in mounting plate 5/16" DIA

For stowage of:

1 OBA

1 Cannister

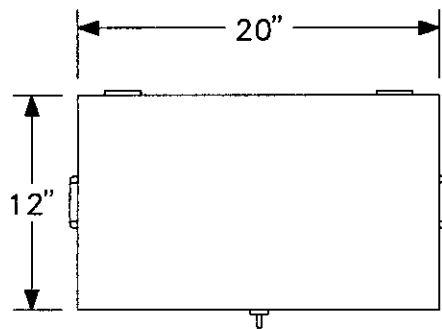
1 Set of anti-flash gear



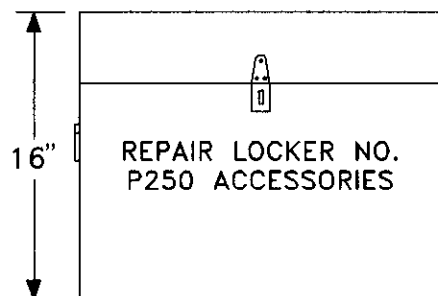
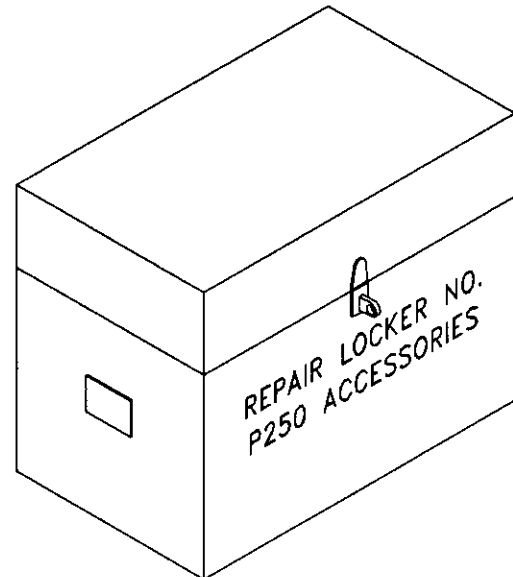
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #071

OBA STOWAGE RACK VERSION 2

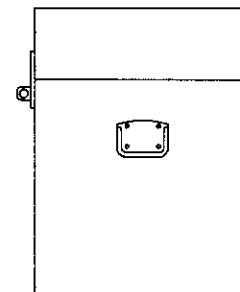
P250 ACCESSORIES EQUIPMENT LOCKER (PORTABLE)
ALUMINUM OR STEEL



PLAN



ELEVATION



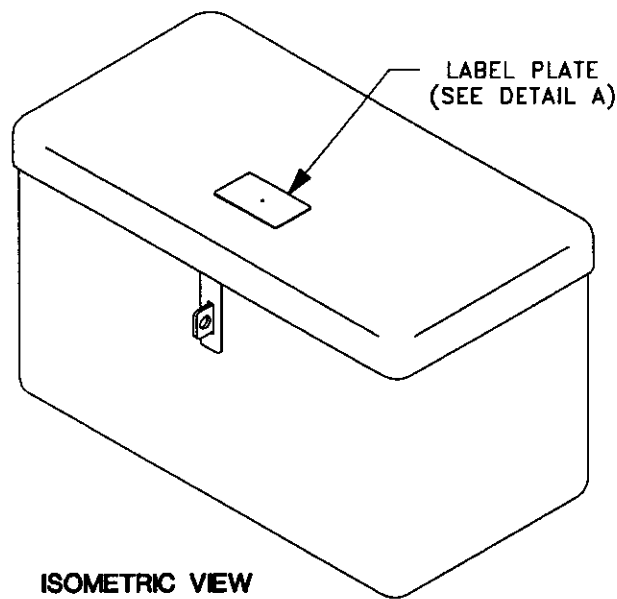
END VIEW

NOTES:

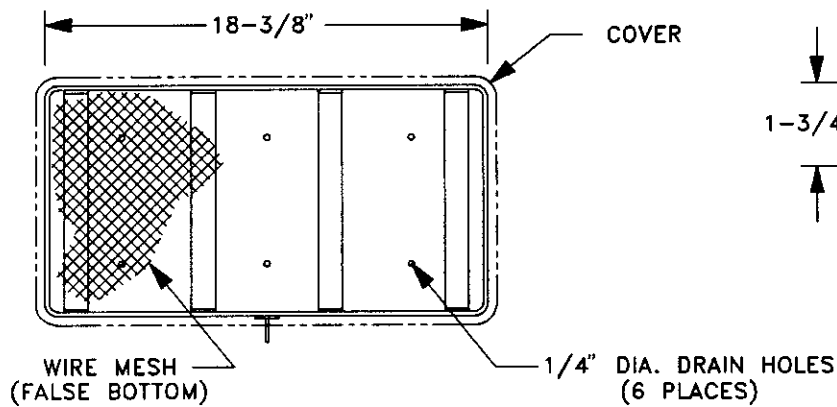
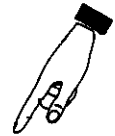
1. MATERIALS:
ALUMINUM - WHEN MADE IN ACCORDANCE WITH NAVSHIPS DWG. # 53702-921575, MODIFIED.
STEEL - WHEN IN ACCORDANCE WITH NAVSHIPS DWG. # 53702-860360, MODIFIED.
2. FINISH AS SPECIFIED.
3. STENCIL REPAIR LOCKER NO.____ AND P250 ACCESSORIES ON WHITE BACKGROUND 2" RED LETTERS.
4. INSTALL ON 6" FOUNDATION.
5. JAMESTOWN METAL DRAWING SK 358U.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 072

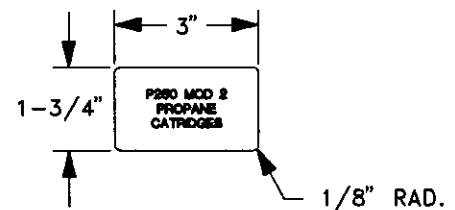
P250 EQUIPMENT ACCESSORY STOWAGE



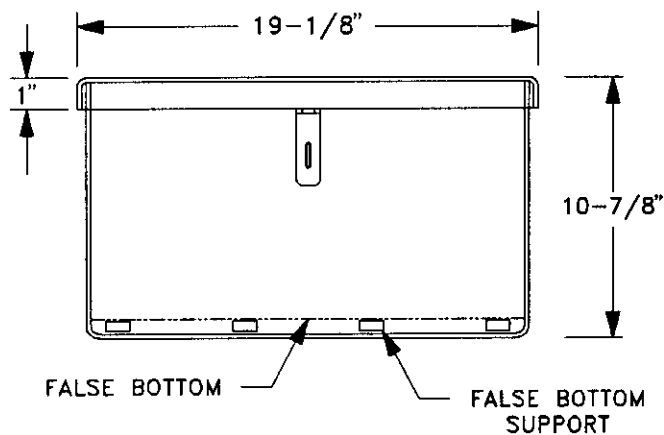
NEW SKETCH



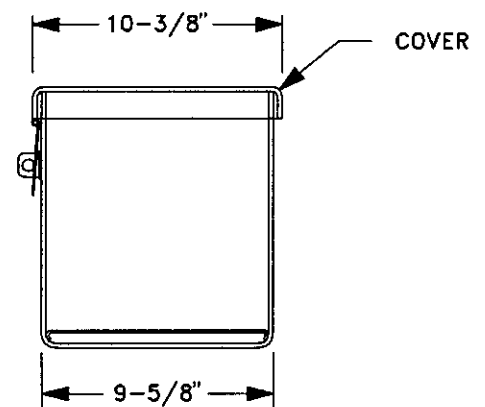
PLAN VIEW



DETAIL A



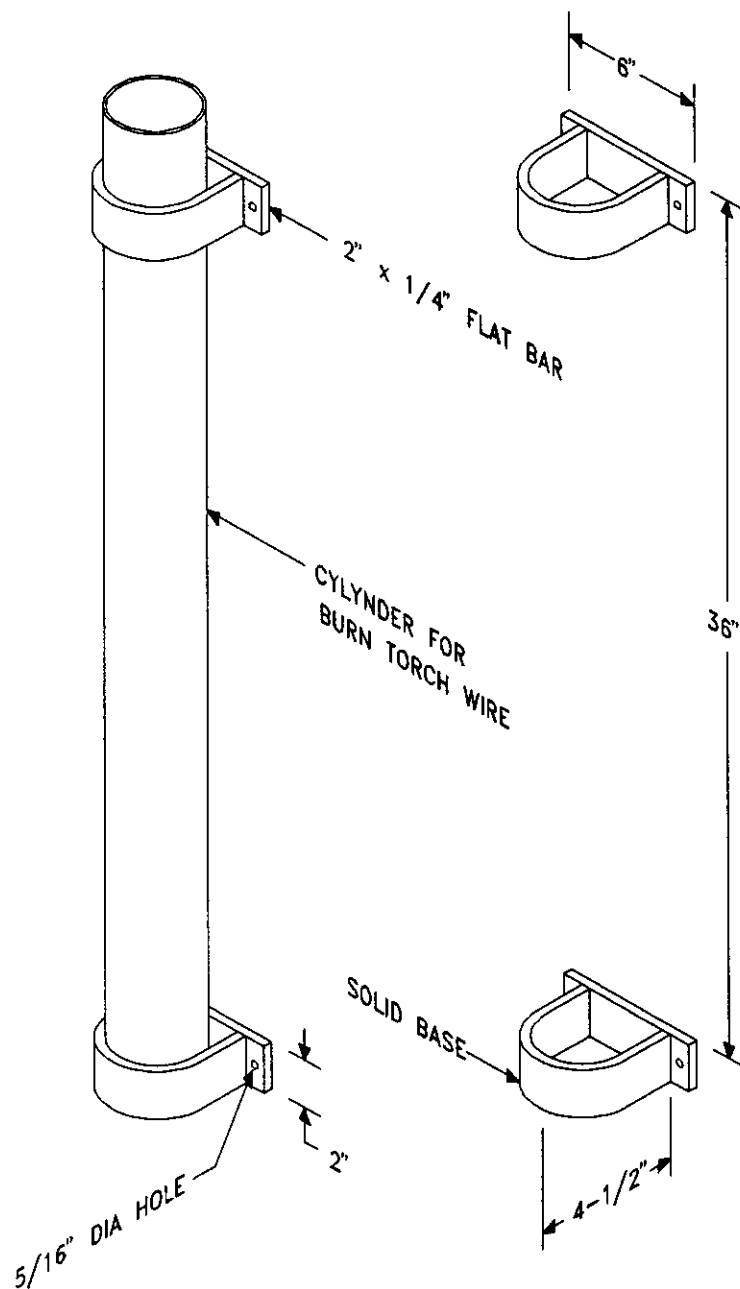
ELEVATION



SIDE VIEW

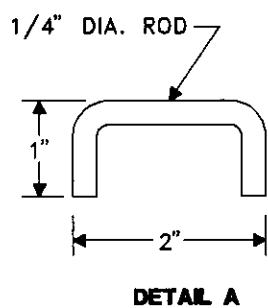
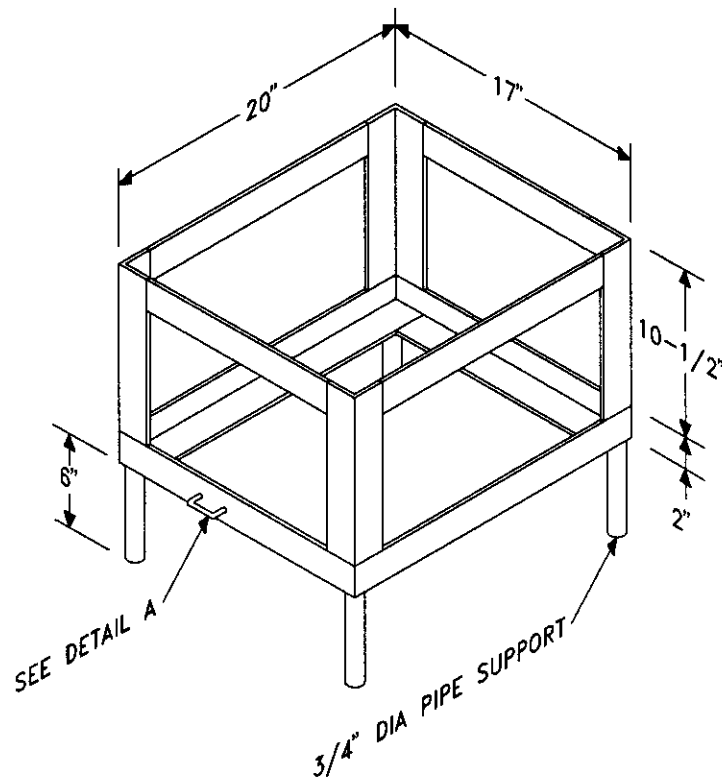
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 073

P-250 MOD 2 PROPANE CARTRIDGE STOWAGE



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 074

PECU ROD STOWAGE

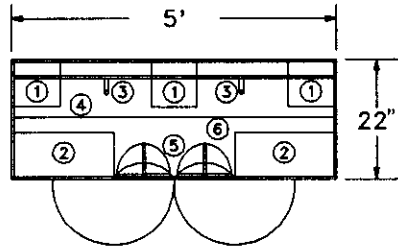


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 075

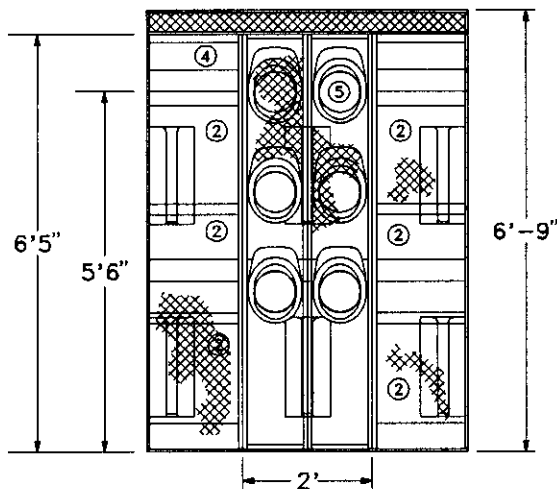
PECU STOWAGE BRACKET FOUNDATION

[BUILT-IN CAGE USING EXISTING STRUCTURE]

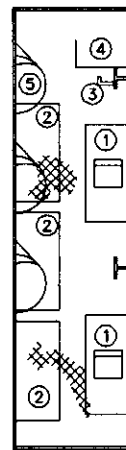
- ① OBA CANISTERS READY SERVICE STOWAGE RACK PORTABLE (6 EACH)
- ② SPACE FOR OBA or FFBA STOWAGE RACK (6 EACH)
- ③ FFE SUIT (HANGING STOWAGE HOOK) (2 EACH)
- ④ OPTIONAL SHELF FOR STOWAGE OF GAS MASK & LIFE-JACKETS (6 EACH)
- ⑤ FIREMEN'S HELMETS MK1 MOD2 (6 EACH)
- ⑥ BOOTS (FIREMEN'S) TO SIT ON DECK (6 PAIR)



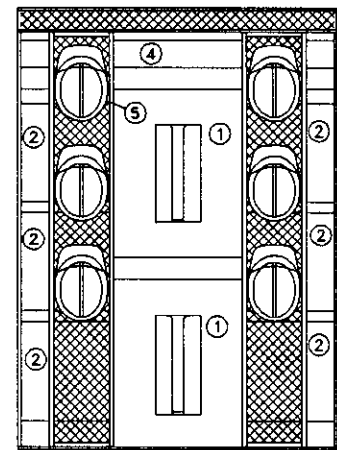
PLAN



ELEVATION
(DOORS CLOSED)



SECTION



ELEVATION
(DOORS OPEN)

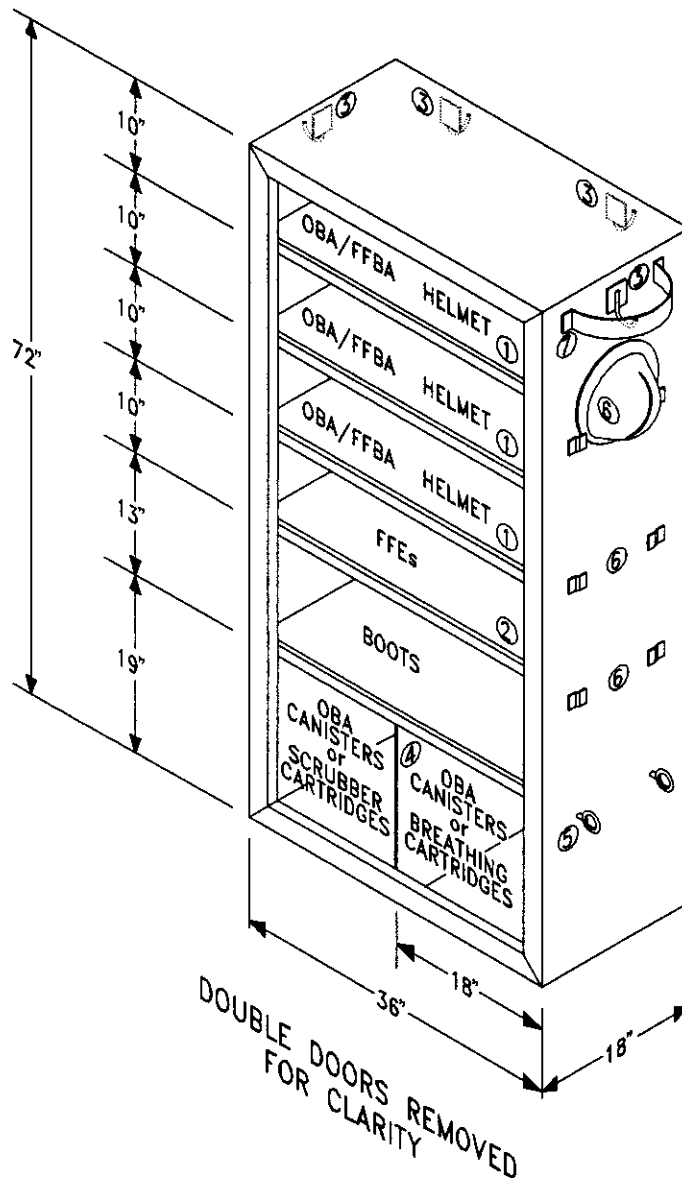
NOTES:

1. ANTI-FLASH GEAR TO BE STOWED IN FIREMEN'S HELMET.
2. GLOVES (FIREMEN) TO BE STOWED IN FFE SUIT POCKETS.
3. DOORS TO BE SECURED WITH (2) 2-1/2" BARREL BOLTS, 18" FROM TOP/BOTTOM OF DOOR.
4. CAGE TO BE CONSTRUCTED BY 3/8" EXPANDED METAL STEEL
5. ALL FRAMING MATERIALS ARE 1-1/2" ANGLE STEEL.
6. DOOR HINGES ARE 3" STRAP HINGE.
7. (2) 5/8" EYE HOOKS SHALL BE INSTALLED ON OUTSIDE EDGE TOP OF THE DOOR FRAME TO SECURE DOOR IN OPEN POSITION.
8. (2) 5/8" EYES TO SECURE BUNGI CORD INSTALLED 1' ABOVE THE DECK, 14" APART DIRECTLY BELOW HANGER HOOKS.
9. INSTALL BUTTERFLY CLIPS IAW NAVSEA SKETCH NO. DC 0003 TO MOUNT HELMETS.
10. INSTALL OBA RACKS IAW NAVSEA SKETCH NO. DC 0011.
11. FABRICATE AND INSTALL PORTABLE CANISTER RACK IAW NAVSEA SKETCH NO. DC 0004.
12. HANGING HOOK TO BE FABRICATED FROM 5/8" ROUND STOCK - STEEL BY 6" LONG.
13. FABRICATE 4" X 4" X 1/8" STEEL BACKING PLATE, WELD TO EXPANDED METAL GAGE TO MOUNT OBA CANISTER RACK WITH 1/4" X 20 THD R/H SCREWS.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 076

PERSONNEL PROTECTION EQUIPMENT STOWAGE (BUILT IN CAGE)

PERSONNEL PROTECTION EQUIPMENT (PPE) LOCKER
OPTIONAL: (3 OBAS/FFBAS)



- ① (OPTIONAL) ONE EACH READY SERVICE BREATHING CARTRIDGE AND CO₂ SCRUBBER
- ② (OPTIONAL) STOWAGE COVERALLS/FFE SUITS
- ③ (OPTIONAL) HANGER HOOK TO HANG FFE SUIT OR BUTTERFLY CLIPS FOR HELMETS [1 SQFT PER HELMET]
- ④ REMOVABLE PARTITION
- ⑤ BUNGI CORD EYE HOOK TO SECURE FFE SUIT
- ⑥ FF HELMET
- ⑦ EYE PROTECTION SHIELD

PPE LOCKER

3 - FFE
3 - OBA/FFBA
36 - OBA CANISTERS
or

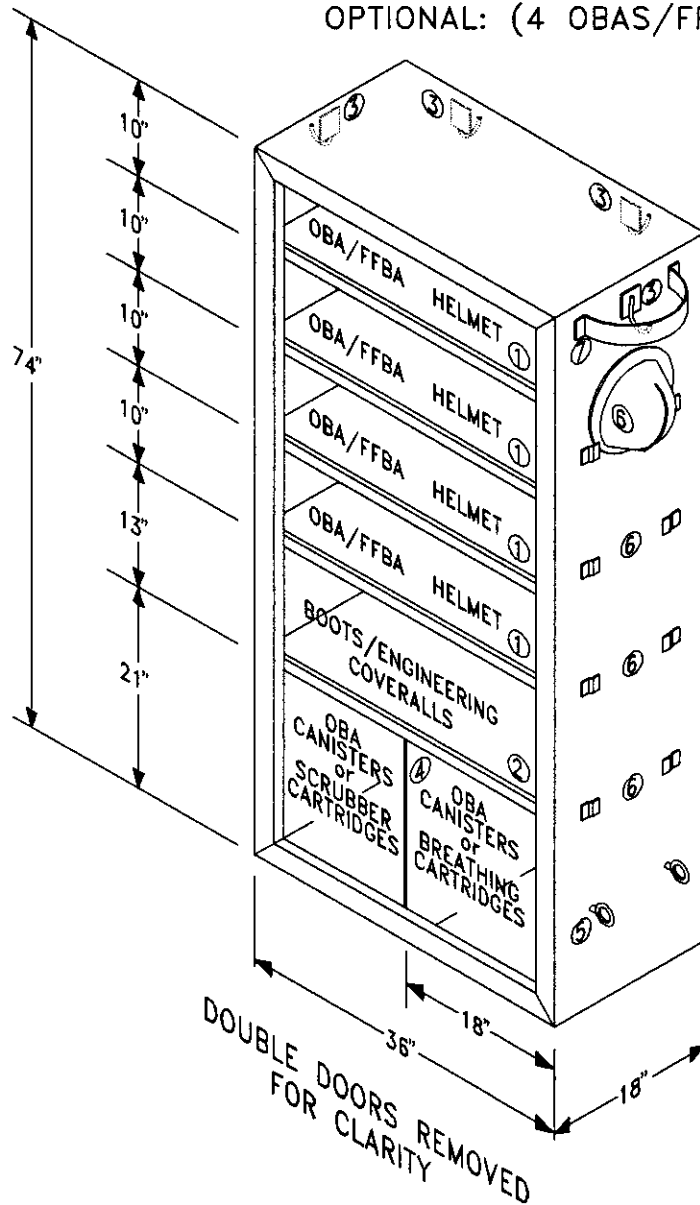
18 - BREATHING CARTRIDGES (6/FFBA)
18 - SCRUBBER CARTRIDGES (6/FFBA)

SHELVES ARRANGED AS SHOWN.
ALL OTHER REQUIREMENTS OF
DWG 803-54824286.
ASSEMBLY 104 APPLY.

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 077
PERSONNEL PROTECTION EQUIPMENT STOWAGE (3 FFE)
VERSION 1

PERSONNEL PROTECTION EQUIPMENT (PPE) LOCKER

OPTIONAL: (4 OBAS/FFBAS)



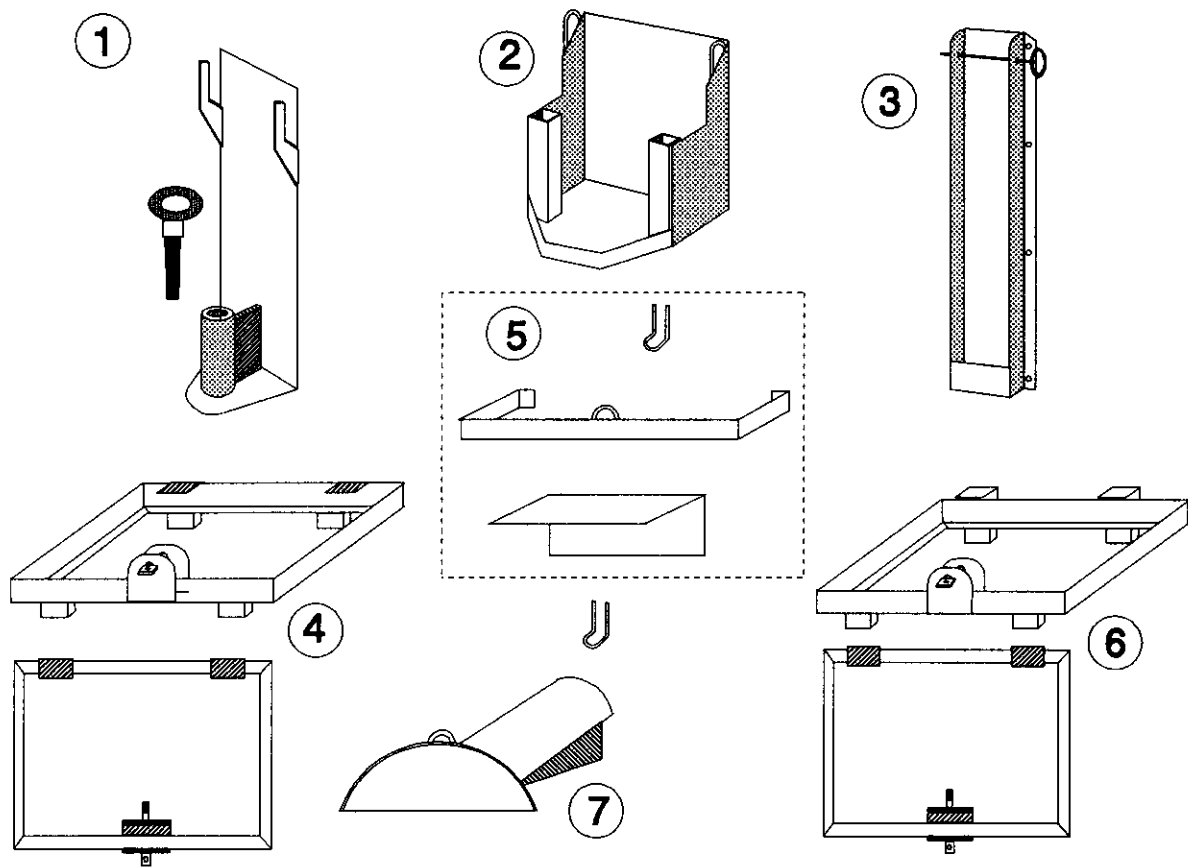
- ① (OPTIONAL) ONE EACH READY SERVICE BREATHING CARTRIDGE AND CO₂ SCRUBBER
- ② (OPTIONAL) STOWAGE COVERALLS/FFE SUITS
- ③ (OPTIONAL) HANGER HOOK TO HANG FFE SUIT OR BUTTERFLY CLIPS FOR HELMETS [1 SQFT PER HELMET]
- ④ REMOVABLE PARTITION
- ⑤ BUNGI CORD EYE HOOK TO SECURE FFE SUIT
- ⑥ FF HELMET
- ⑦ EYE PROTECTION SHIELD

PPE LOCKER

- 4 - OBA/FFBA
- 4 - PAIR BOOTS
- 4 - SETS COVERALLS
- 4 - FIREFIGHTING HELMETS
- 36 - OBA CANISTERS
- or
- 24 - BREATHING CARTRIDGES (6/FFBA)
- 24 - SCRUBBER CARTRIDGES (6/FFBA)

SHELVES ARRANGED AS SHOWN.
ALL OTHER REQUIREMENTS OF
DWG 803-54824286.
ASSEMBLY 104 APPLY.

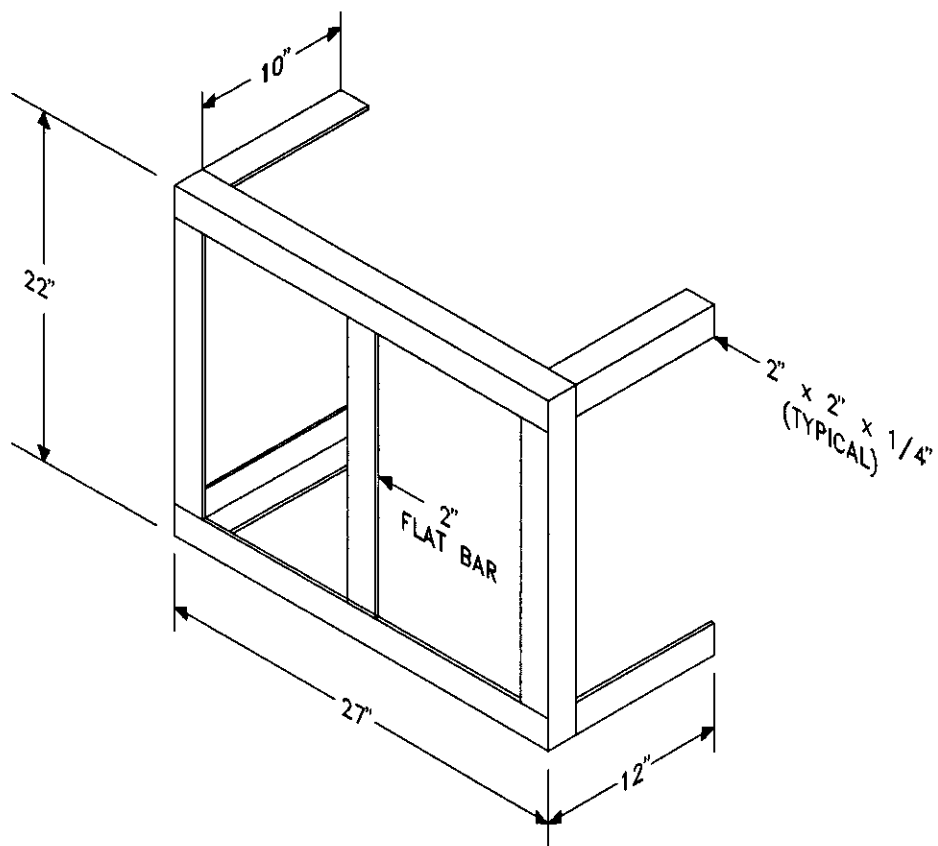
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 078
PERSONNEL PROTECTION EQUIPMENT STOWAGE (4 FFE)
VERSION 2



Bracket Description	Manufacturer	Dimensions
1. Model 150/Omni	For Hurst Tool	17¾"H x 5½"W x 5"D
2. Model 27 Bracket	For Hurst Tool	31"H x 13½"W x 7¾"D
3. Model 30 Ram	For Hurst Tool	24"H x 5½"W x 3¾"D
4. Engine Mounting Bracket -	Ship's Force	2½"H x 20"W x 20"D
5. Attachment Case Bracket - - Wrap around bracket - Support bracket - Tie down hook	Ship's Force	1"H x 16"W x 4"D 2"H x 4"W x 4"D
6. Hose Reel Bracket -	Ship's Force	2½"H x 16½"W x 16½"D
7. Hose Bracket -	Ship's Force	10"H x 14"W x 12"D

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #079

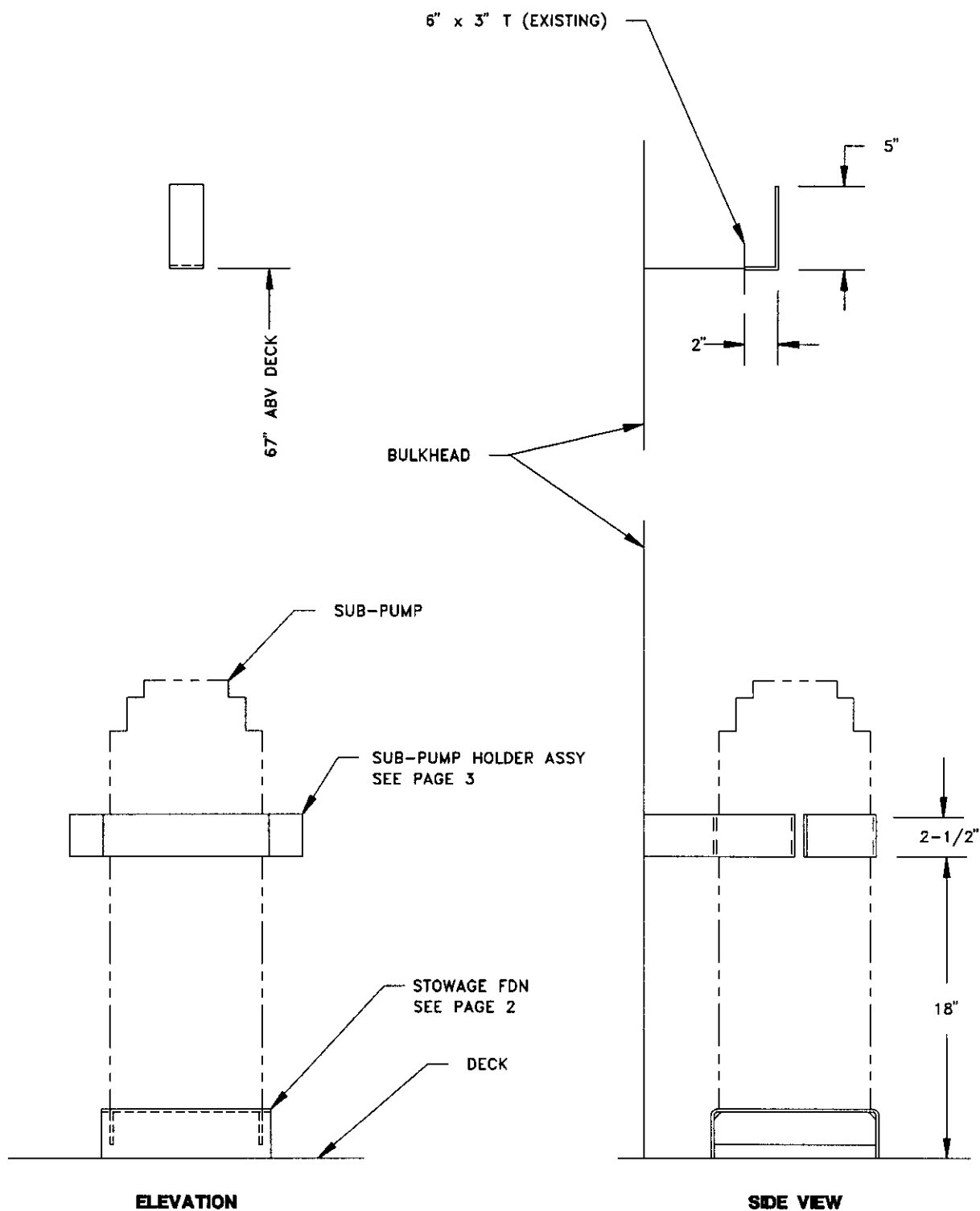
PHARS STOWAGE BRACKETS



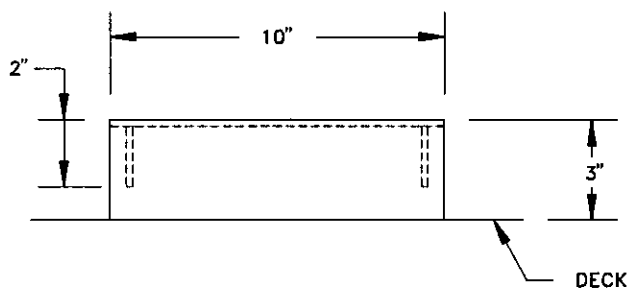
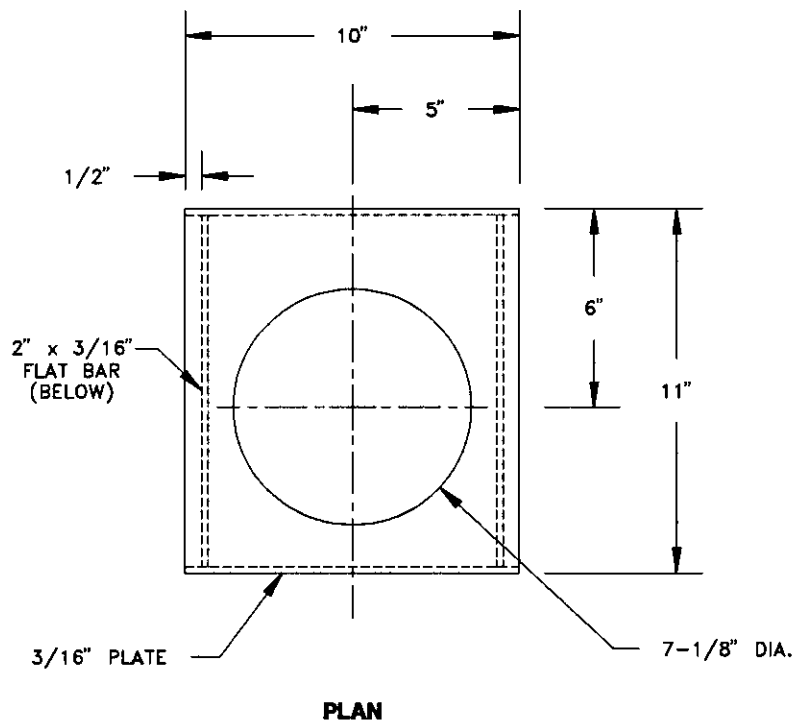
**PLATE PATCH STOWAGE
(BHD MOUNTED)**

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 080

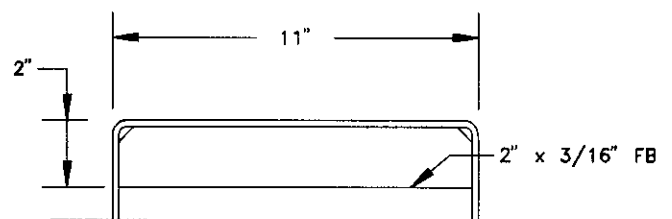
PLATE PATCH STOWAGE RACK



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 081
PORTABLE SUB-PUMP STOWAGE
(PAGE 1 OF 3)

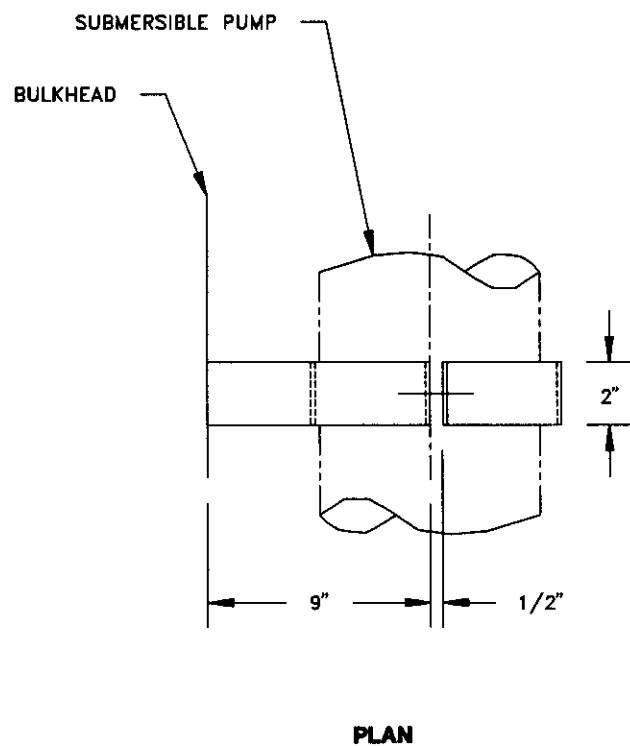
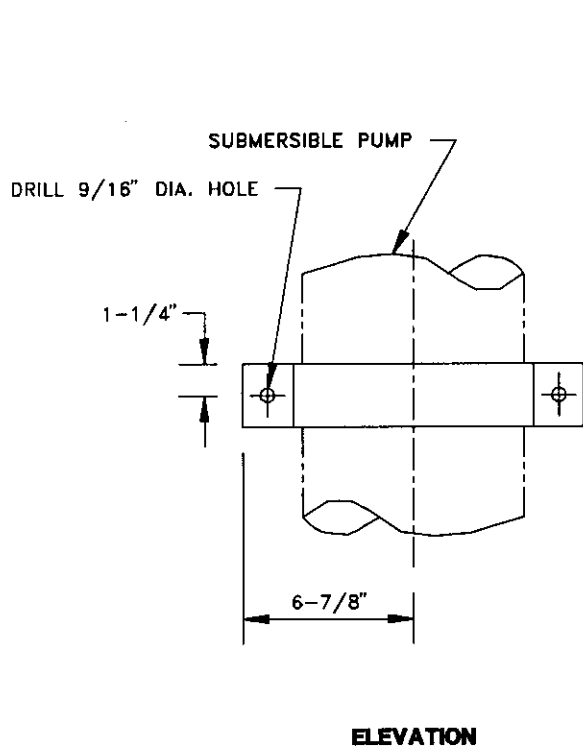
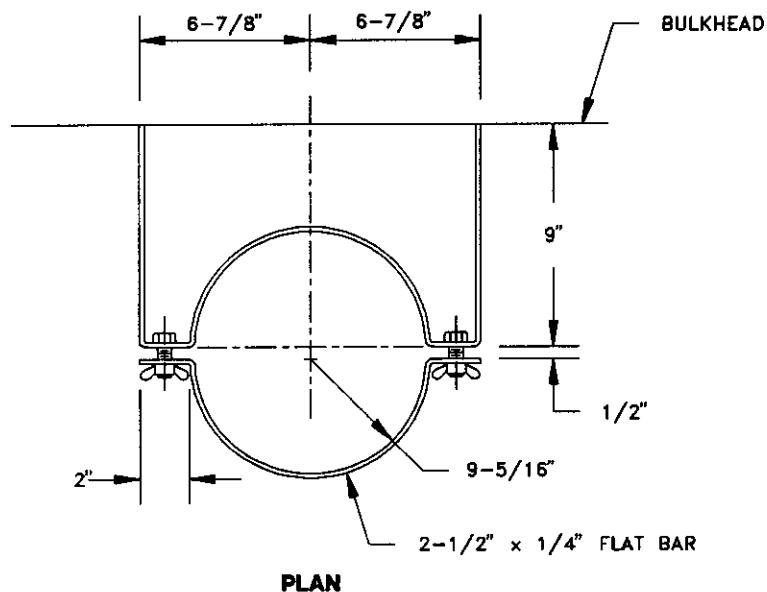


ELEVATION



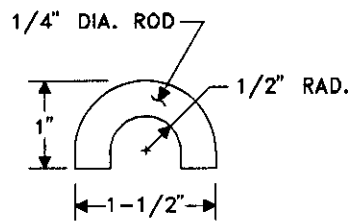
SIDE VIEW

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 081
PORTABLE SUB-PUMP (FOUNDATION) STOWAGE
(PAGE 2 OF 3)



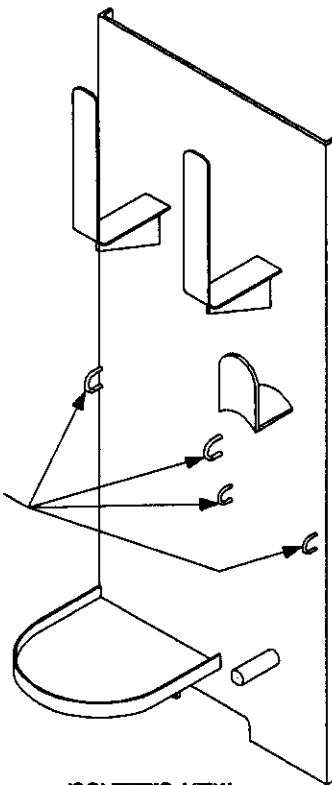
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 081
PORTABLE SUB-PUMP (HOLDER ASSEMBLY) STOWAGE
(PAGE 3 OF 3)

NEW SKETCH

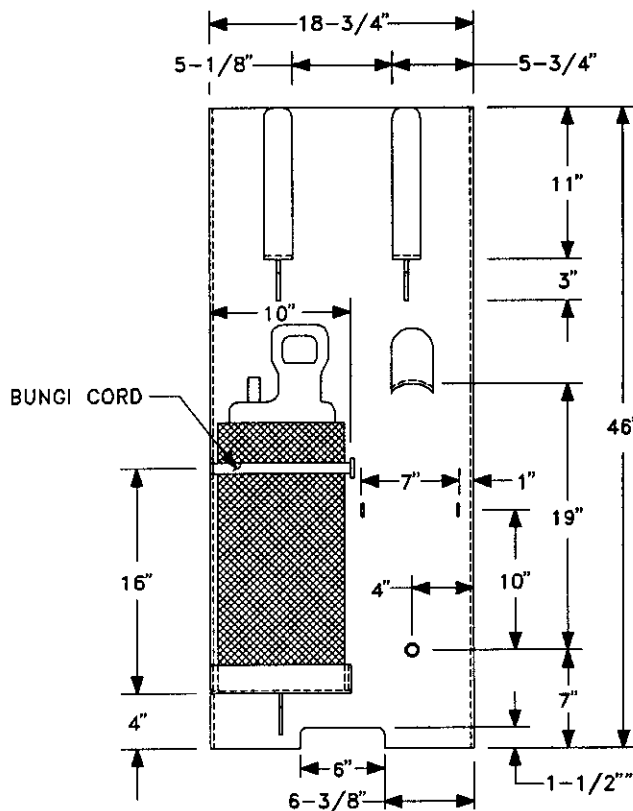


DETAIL A

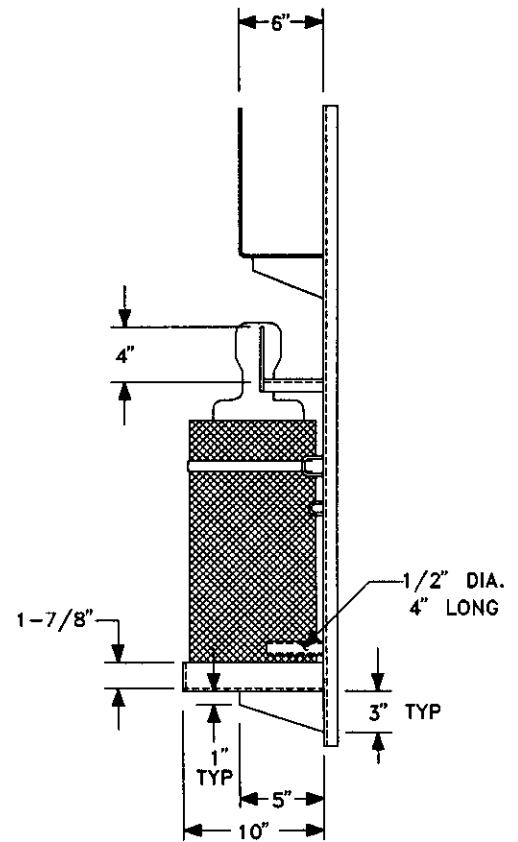
SEE DETAIL A



ISOMETRIC VIEW



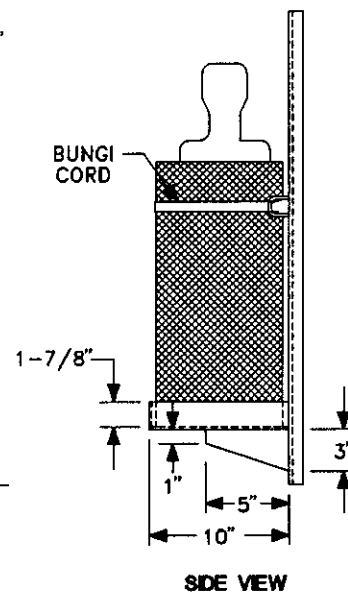
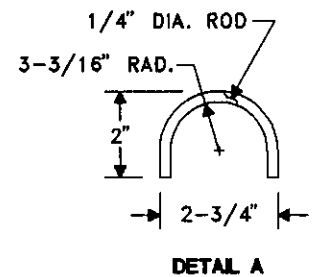
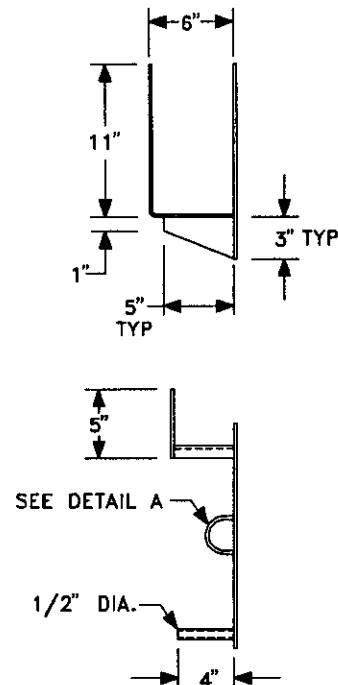
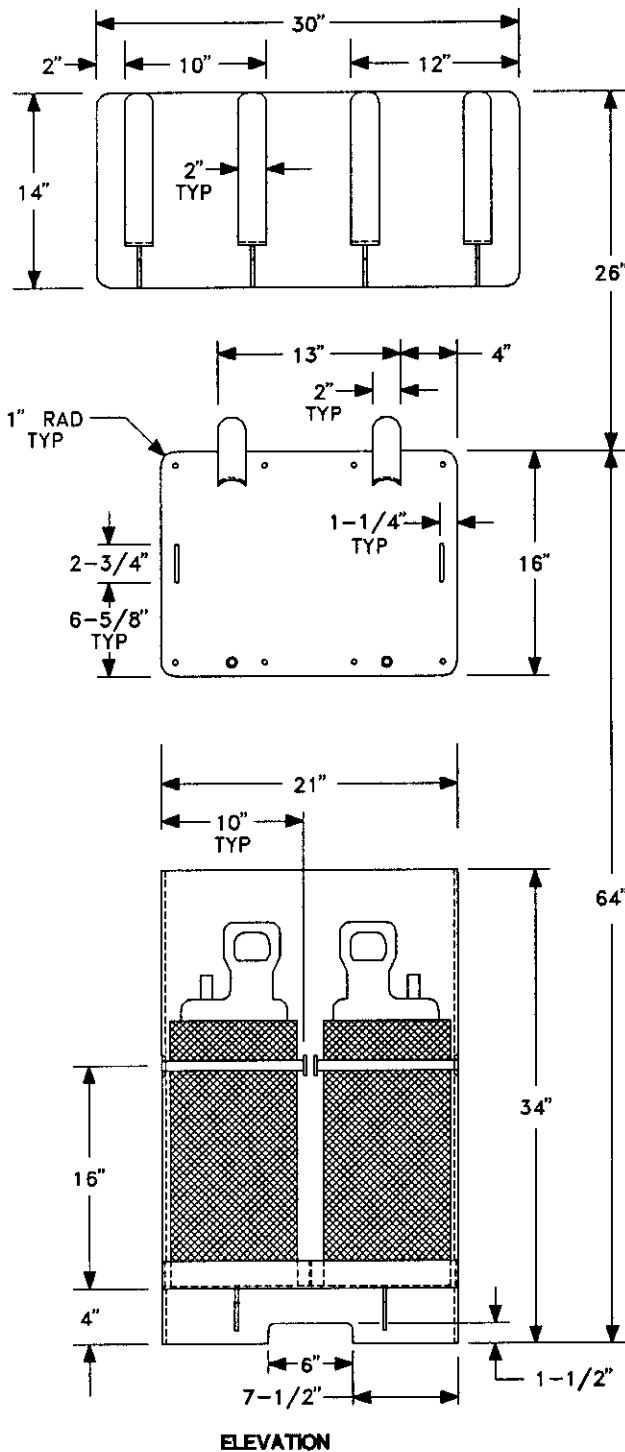
ELEVATION



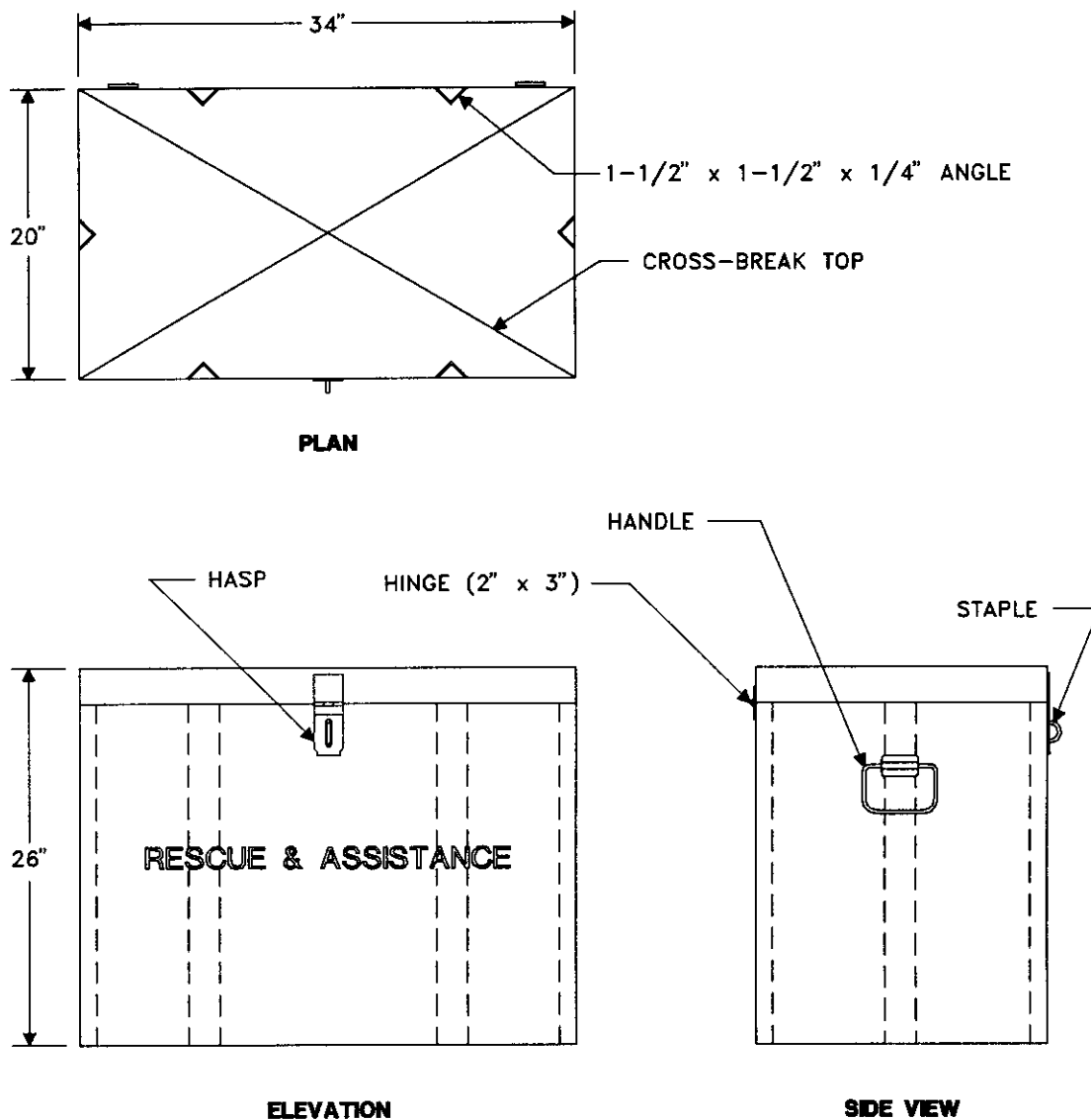
SIDE VIEW

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #081A **PORTABLE SUB-PUMP STOWAGE** **SINGLE UNIT**

NEW SKETCH



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH #081B **PORTABLE SUB-PUMP STOWAGE** **DOUBLE UNIT**

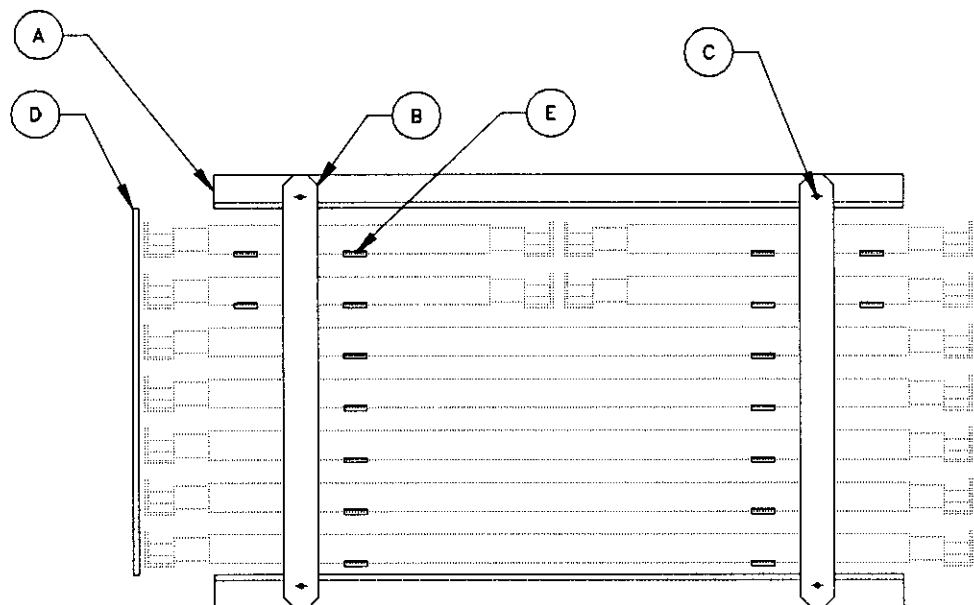


NOTES:

1. CHEST TO BE FABRICATED TO MEET WATERTIGHT INTEGRITY.
2. THIS CHEST IS TO BE PAINTED STRIPPING ENAMEL RED
COLOR NO. 11105 FED STD 595 MIL-SPEC TT-E-489.
3. "RESCUE & ASSISTANCE" TO BE STENCILED 1-1/2" LETTERS
WITH WHITE PAINT.

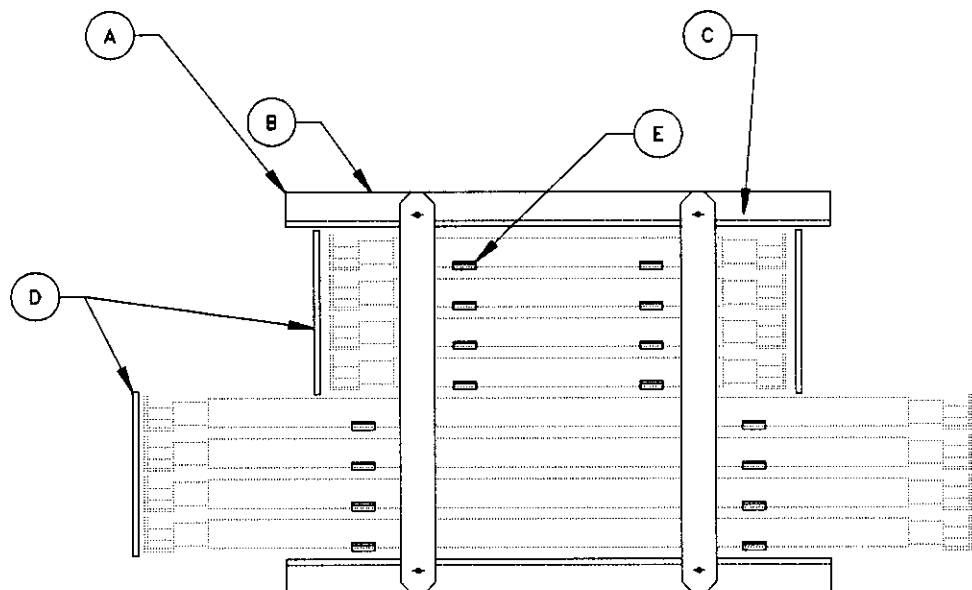
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 082 **RESCUE AND ASSISTANCE CHEST**

- (A) 60" x 3" x 3" x 1/2" ANGLE
- (B) 32" x 3" x 1/2" FLAT STOCK
(DRILL 13/32" DIA ON ENDS)
- (C) 1/2" x 3/8" BOLTS WITH WING NUTS
- (D) 38" x 3" x 1/4" FLAT STOCK
- (E) 2" x 4-3/4" x 1/4" CLIPS FOR SUPPORT



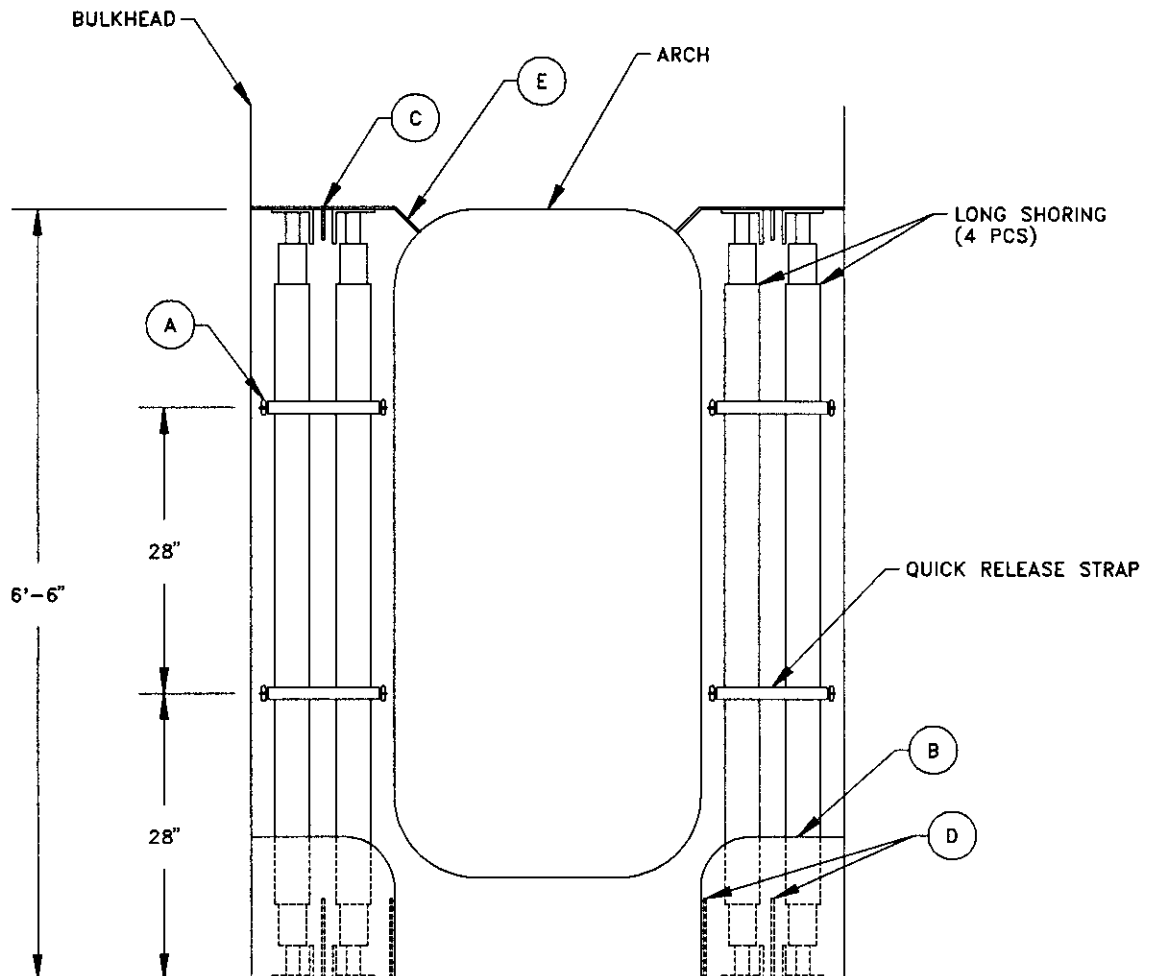
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 083
SHORING METAL STORAGE RACK (HORIZONTAL)
VERSION 1

- (A) 47-1/2" x 3" x 3" x 1/2" ANGLE
- (B) 35" x 3" x 1/2" FLAT STOCK
(DRILL 13/32" DIA ON ENDS)
- (C) 1/2" x 3/8" BOLTS WITH WING NUTS
- (D) 15" x 3" x 1/4" FLAT STOCK
- (E) 2" x 4-3/4" x 1/4" CLIPS FOR SUPPORT

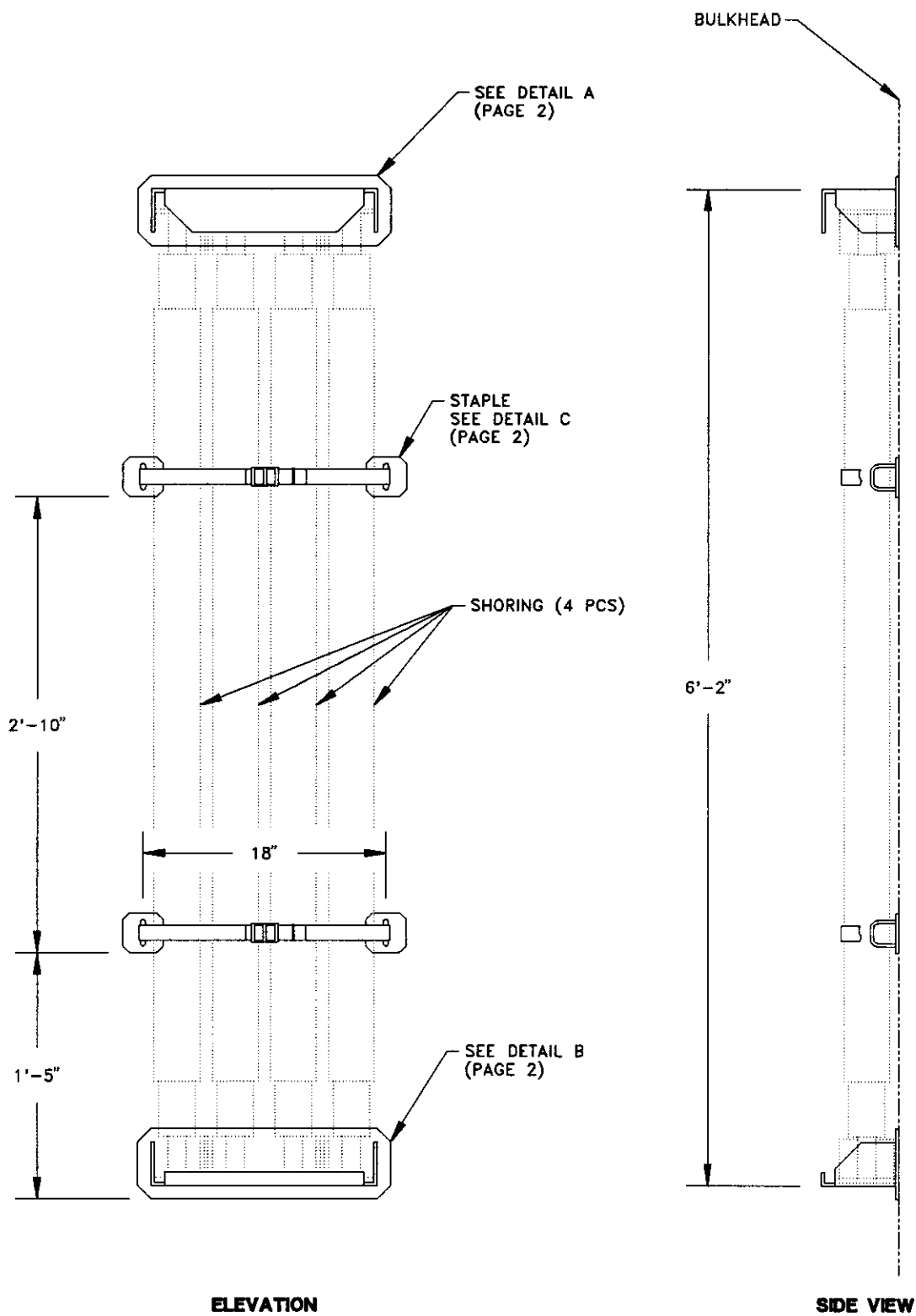


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 084
SHORING METAL STORAGE RACK (HORIZONTAL)
VERSION 2

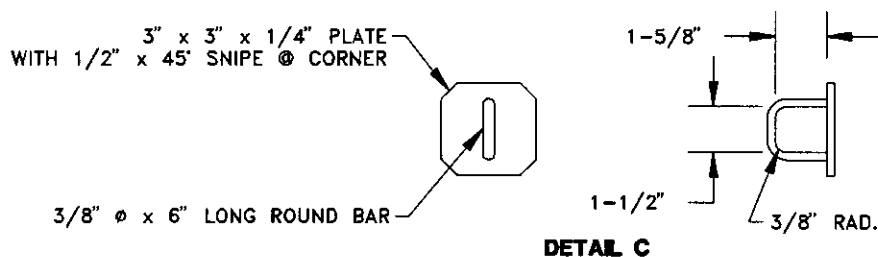
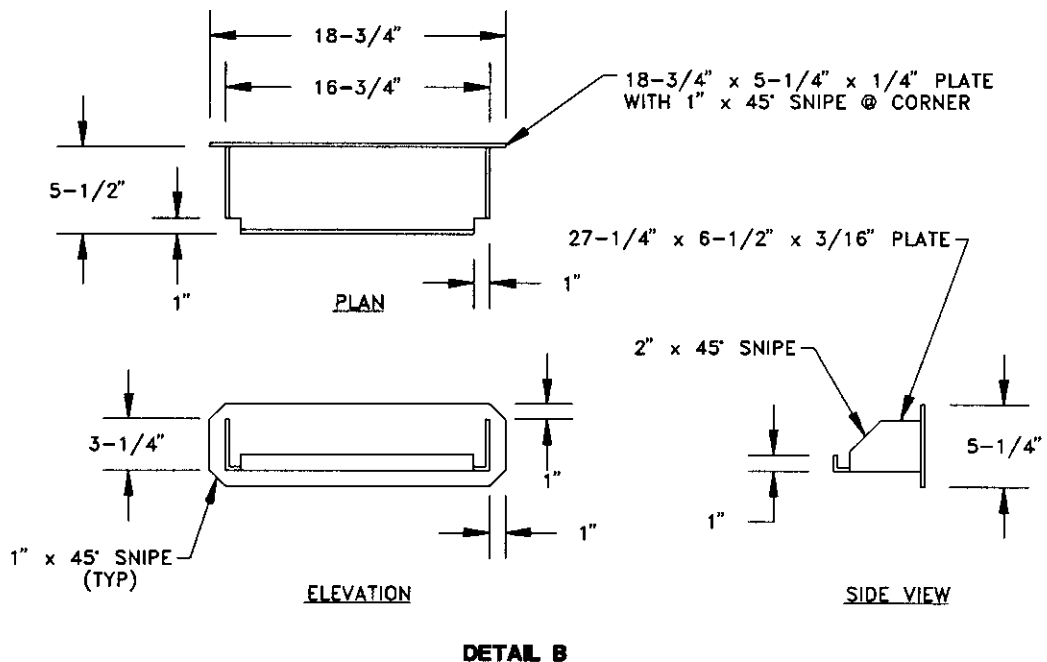
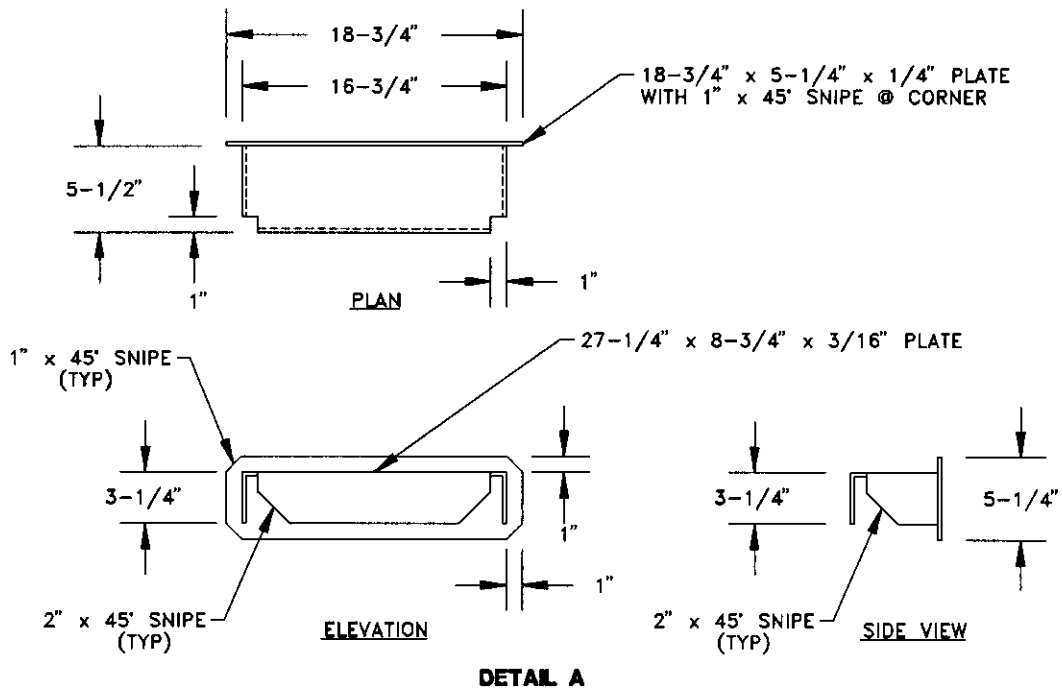
- (A) ROUND BAR, 3/8" DIA., 6" LONG STEEL, 8 EACH.
- (B) PLATE, 1/4" x 12" x 12" WITH 3" RAD CORNER, STEEL 2 EACH.
- (C) PLATE, 1/4" x 10" x 5" STEEL, 2 EACH.
- (D) PLATE, 1/4" x 5' x 8" STEEL, 4 EACH.
- (E) PLATE, 1/4" x 3" x 5" STEEL, 2 EACH.



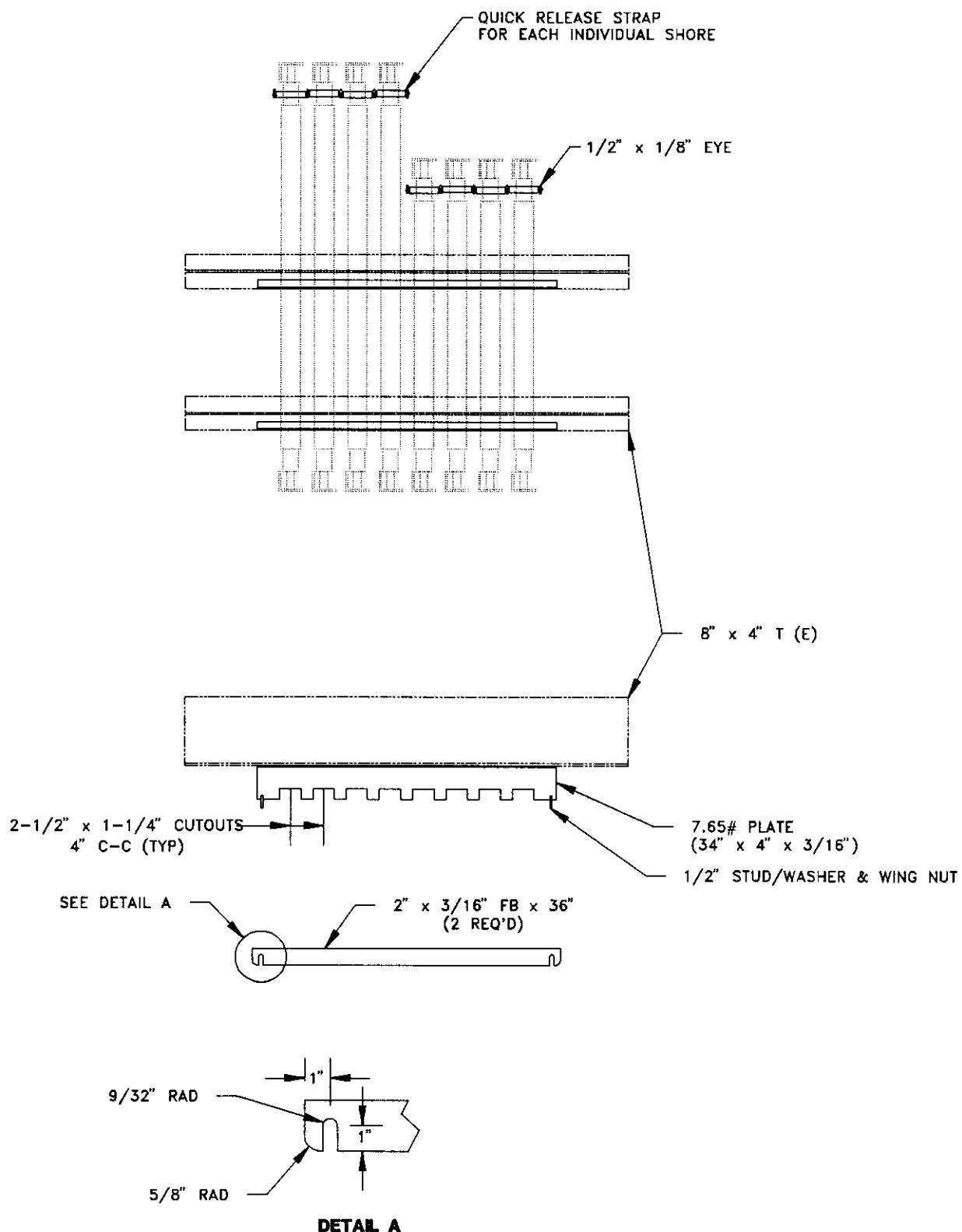
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 085
SHORING METAL STOWAGE RACK (VERTICAL)
VERSION 3



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 086
SHORING METAL STOWAGE RACK (VERTICAL)
VERSION 4 (PAGE 1 OF 2)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 086
SHORING METAL STOWAGE RACK (VERTICAL)
VERSION 4 (PAGE 2 OF 2)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 087
SHORING METAL STORAGE RACK (VERTICAL)
VERSION 5

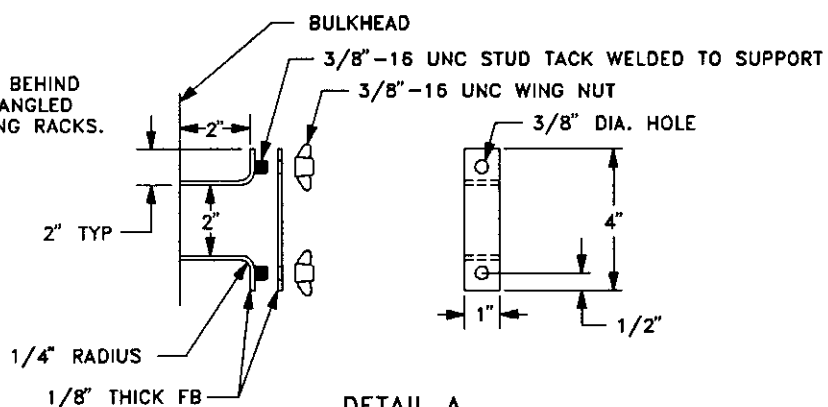
REVISED
SKETCH

MOUNTING BRACKET
SEE DETAIL A

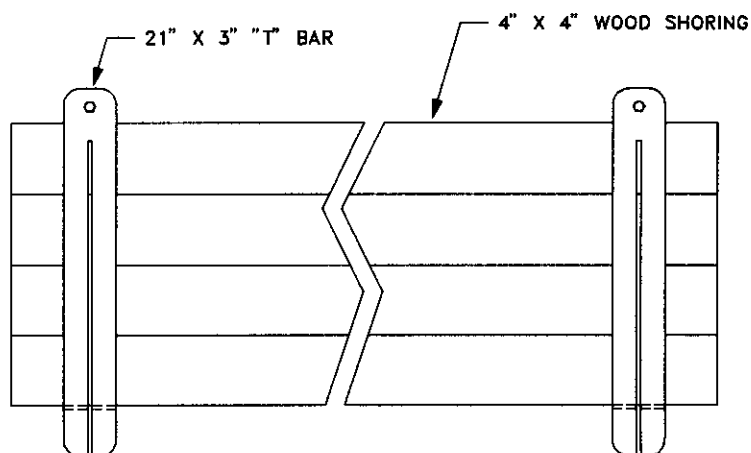
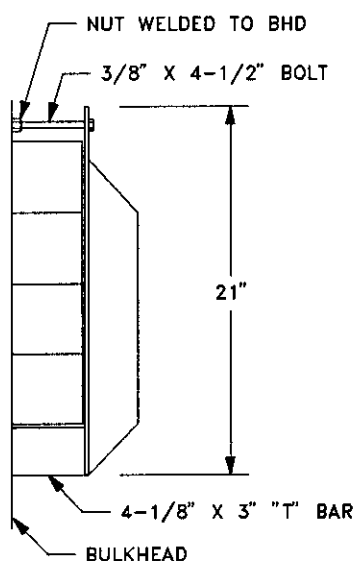
SHORING BATTEN

35" FOR 4'-6" TO 7' BATTEN (SMALL SIZE)
50" FOR 8'-3" TO 10' BATTEN (MEDIUM SIZE)
65" FOR 7' TO 12' BATTEN (LARGE SIZE)

BRACKETS CAN BE INSTALLED BEHIND
EXISTING ARRANGEMENTS ON ANGLED
BULKHEADS OR ABOVE SHORING RACKS.

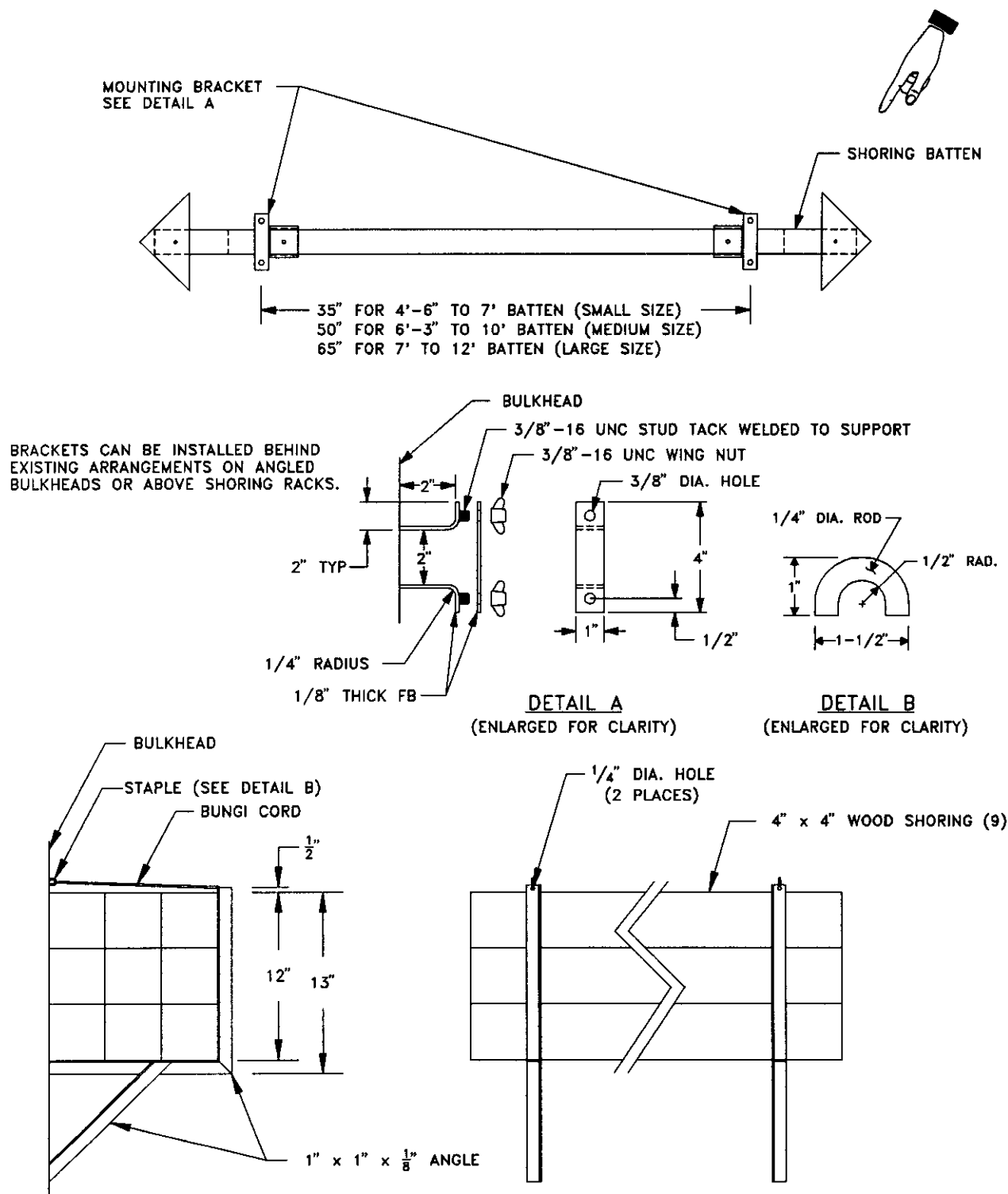


DETAIL A
(ENLARGED FOR CLARITY)

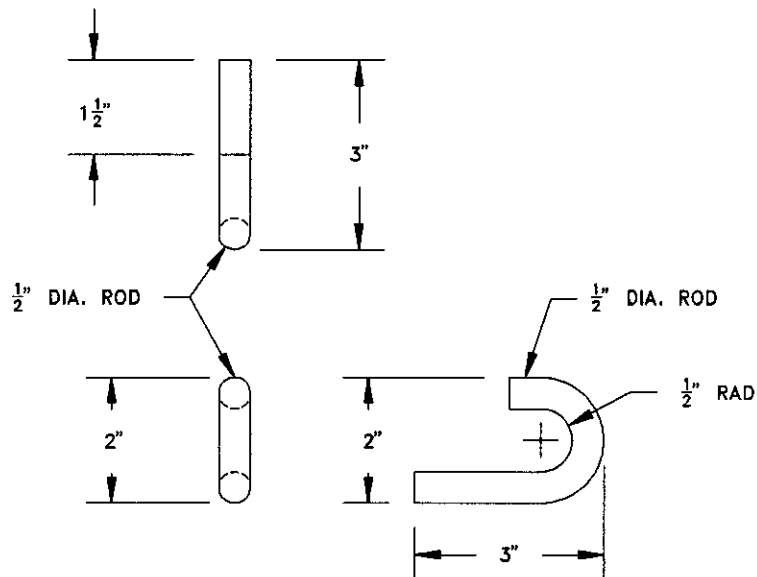
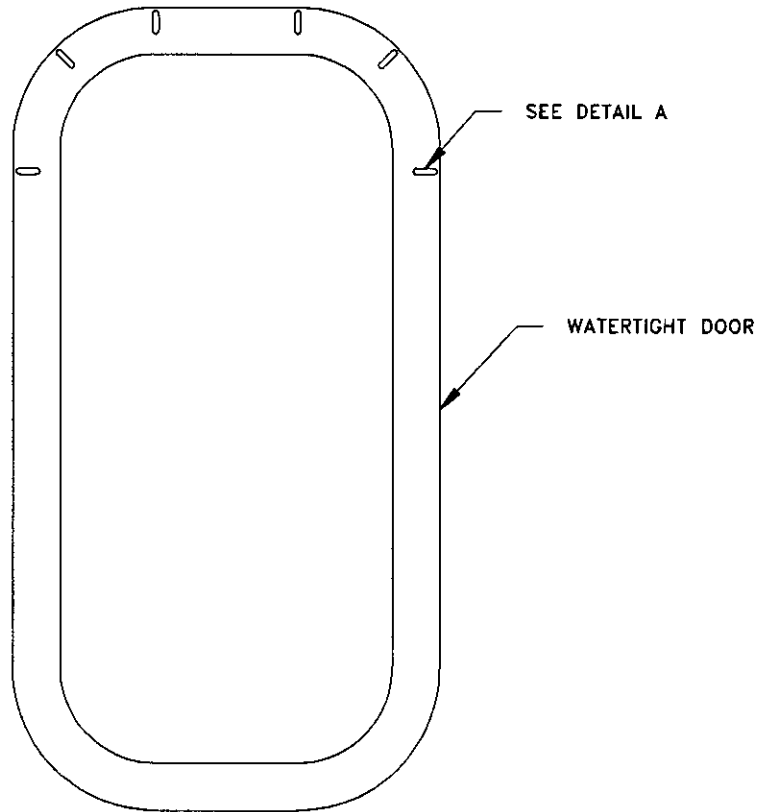


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 088 **SHORING WOODEN, STOWAGE RACK (4 PCS)** **WITH SHORING BATTEN STOWAGE**

REVISED
SKETCH

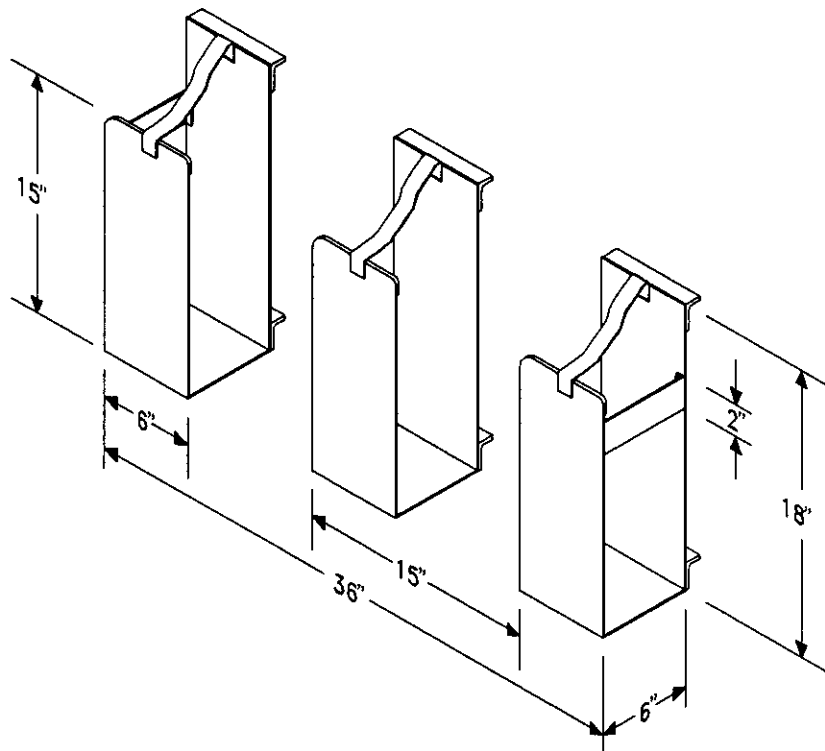


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 089
SHORING WOODEN, STOWAGE RACK (9 PCS)
WITH SHORING BATTEN STOWAGE

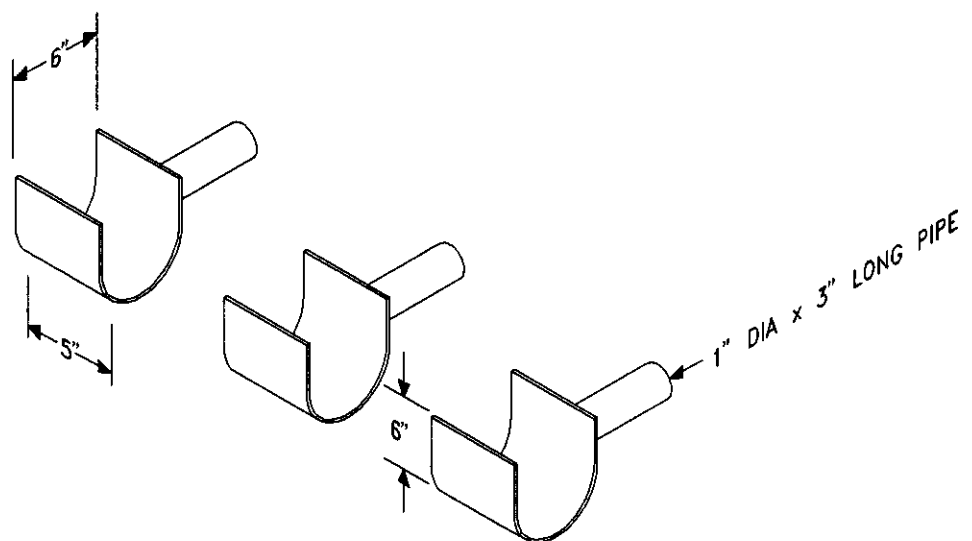


DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 090 **SMOKE CURTAIN HOOKS**

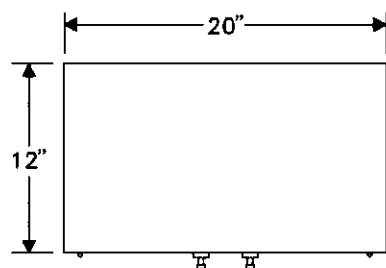


VERSION 1 (BHD MOUNTED)

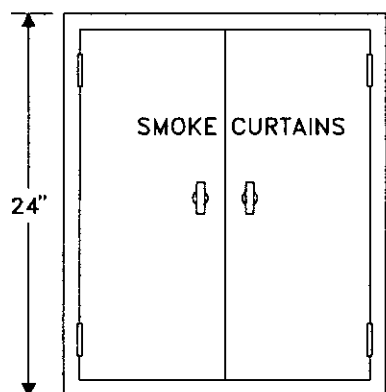
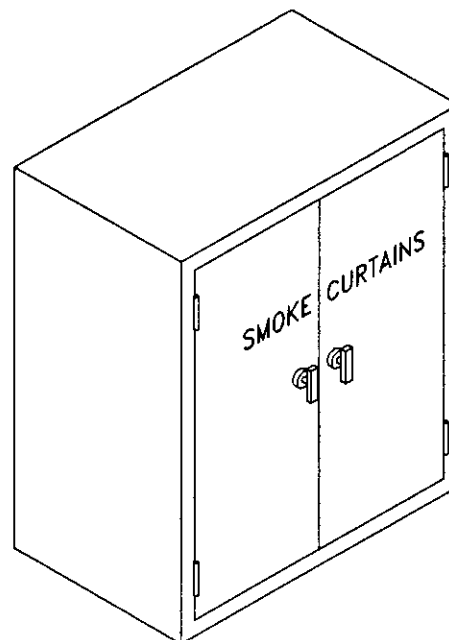


VERSION 2 (ABOVE DOOR MOUNTED)

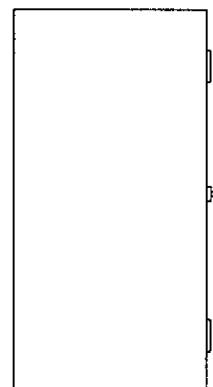
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 091
SMOKE CURTAIN STOWAGE (BRACKET)



PLAN



ELEVATION

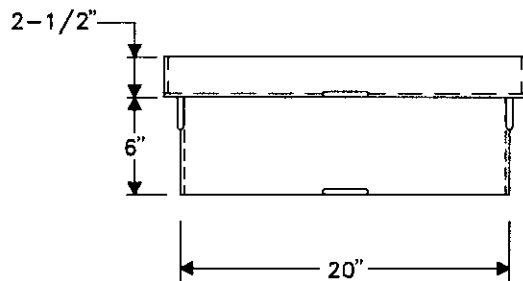


SIDE VIEW

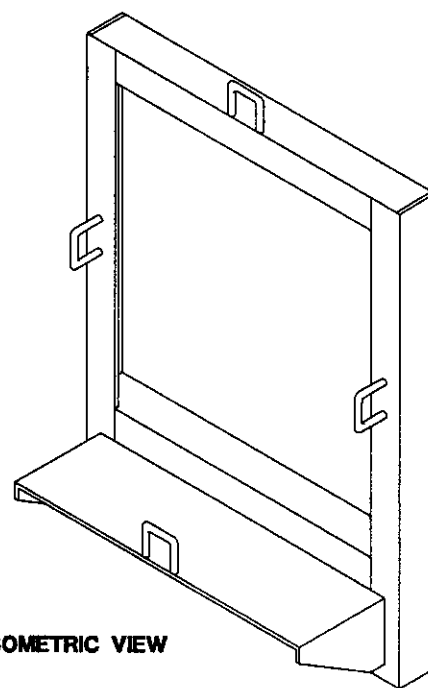
NOTES:

1. MATERIALS:
ALUMINUM - WHEN MADE IN ACCORDANCE WITH NAVSHIPS DWG # 805-1639424 & 3209-86189 (FOR GUIDE ONLY).
STEEL - WHEN MADE IN ACCORDANCE WITH NAVSHIPS DWG # 805-4598127 (FOR GUIDE ONLY).
2. FINISH AS SPECIFIED.
3. ADJUSTABLE SHELVES TO HAVE 1" LIP QUAN. AS SPECIFIED.
4. STENCIL 2" LETTERS, BLACK, "SMOKE CURTAINS".
5. JAMESTOWN METAL MARINE SK 207-1-2-N.

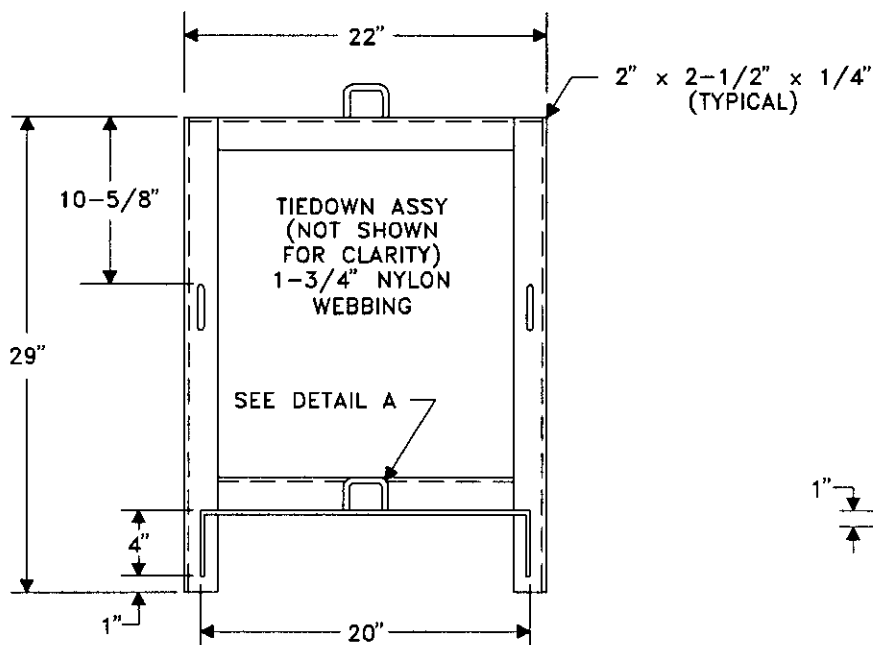
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 092
SMOKE CURTAIN STOWAGE (LOCKER)



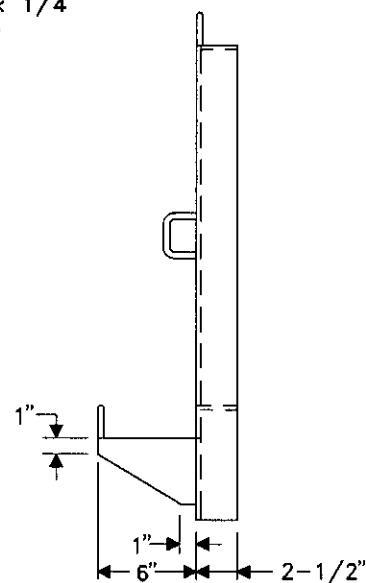
PLAN VIEW



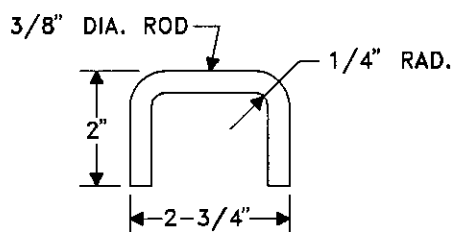
ISOMETRIC VIEW



ELEVATION VIEW

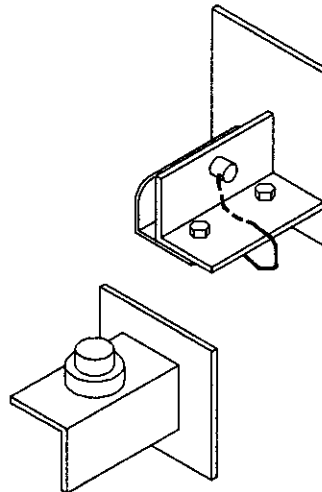


SIDE VIEW

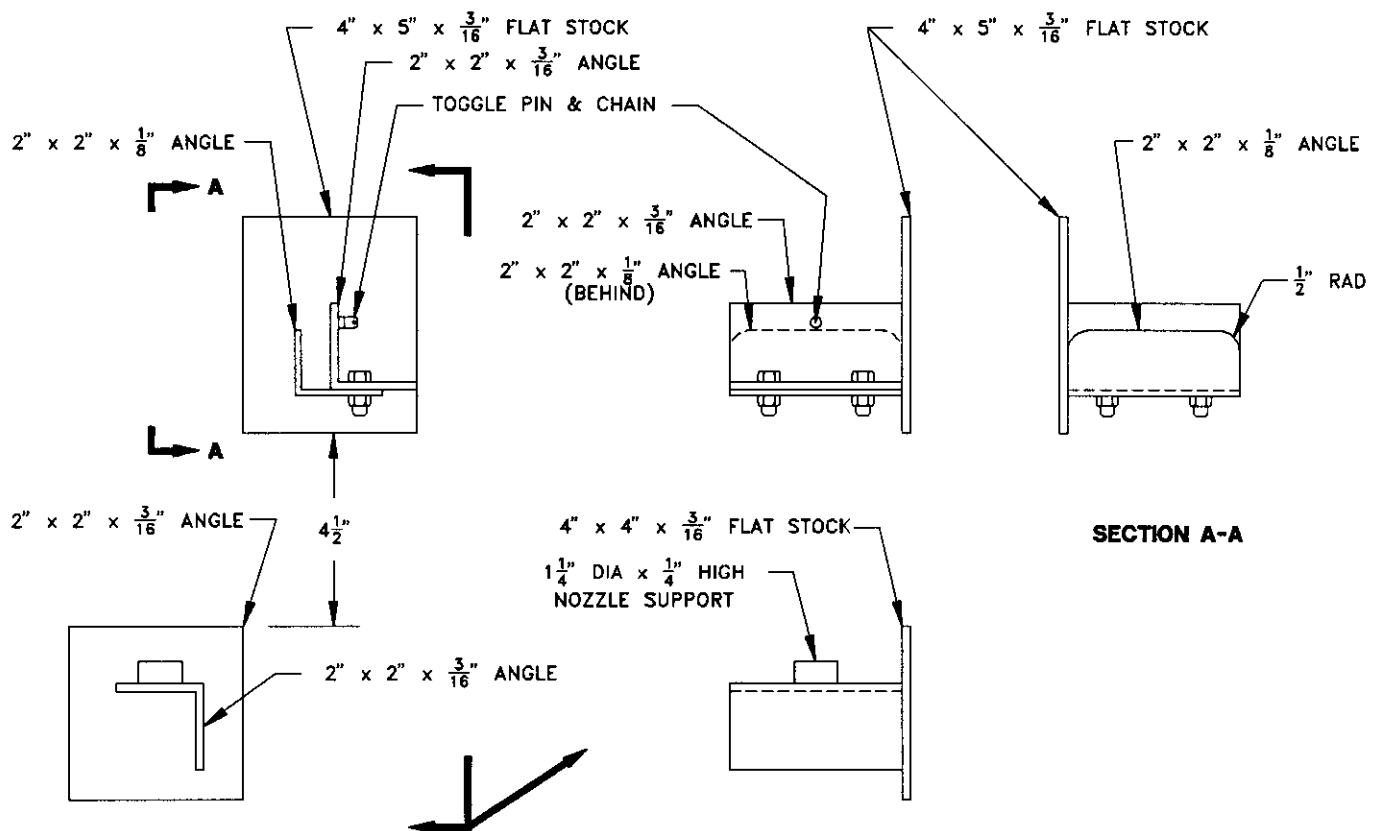


DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 093 **SMOKE GENERATOR STOWAGE RACK**

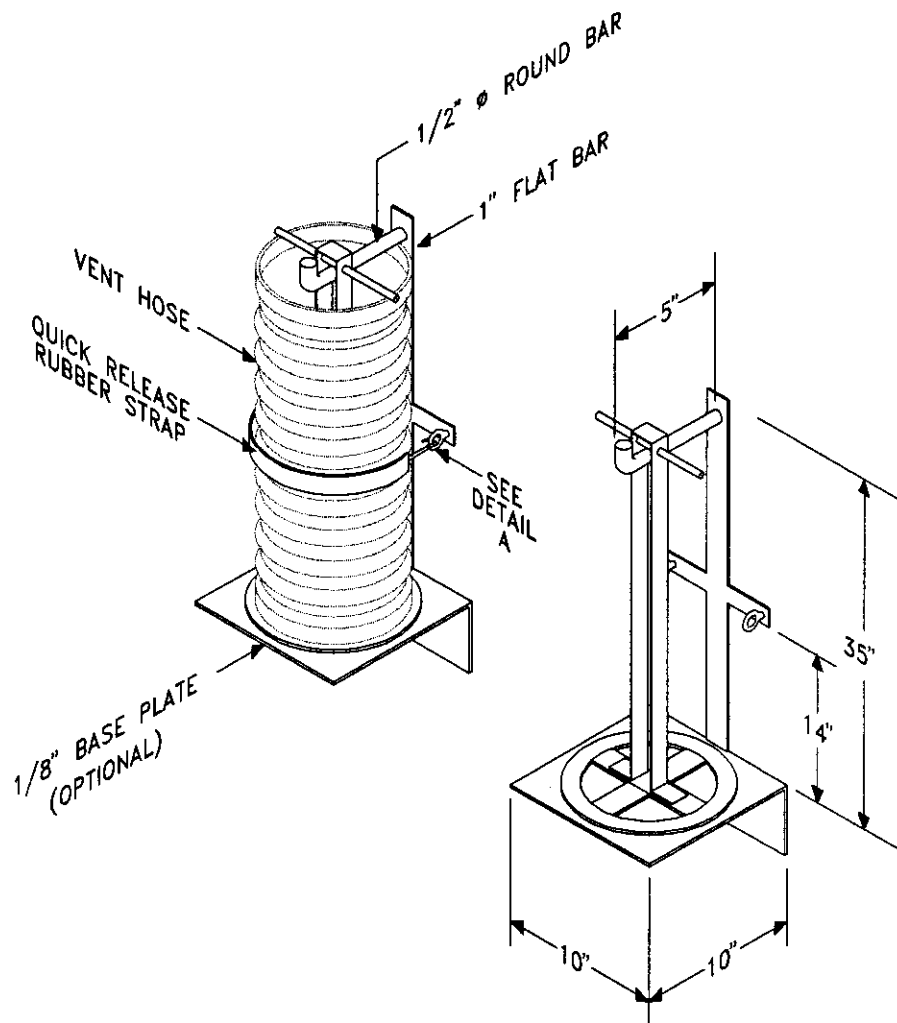


ISOMETRIC VIEW

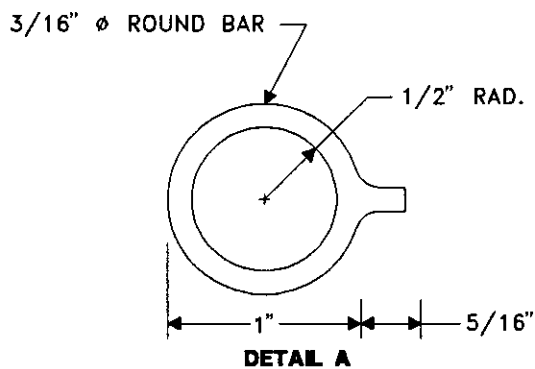


DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 094

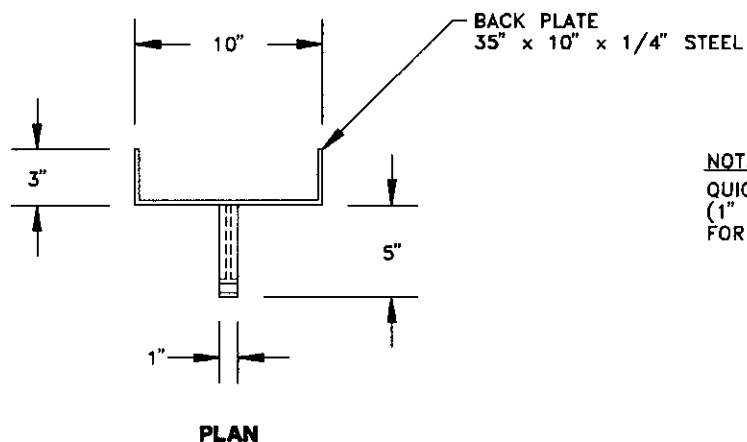
VARI-NOZZEL STOWAGE HOLDER, 1-1/2" AND 2-1/2"



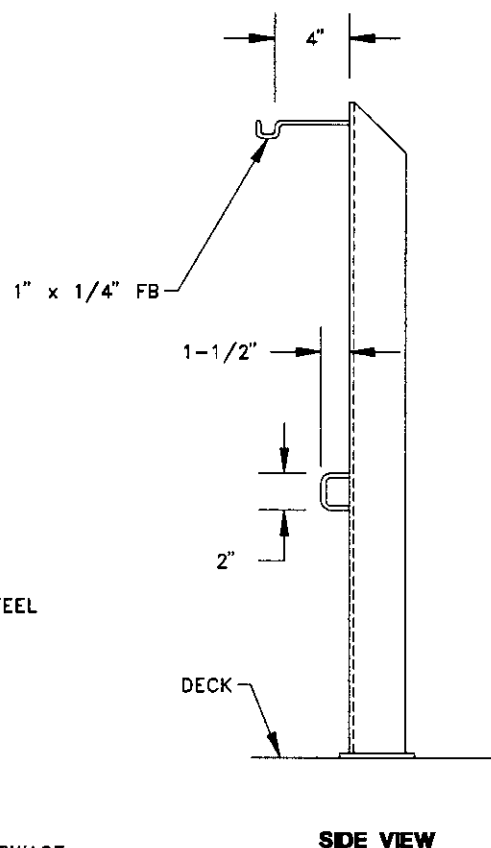
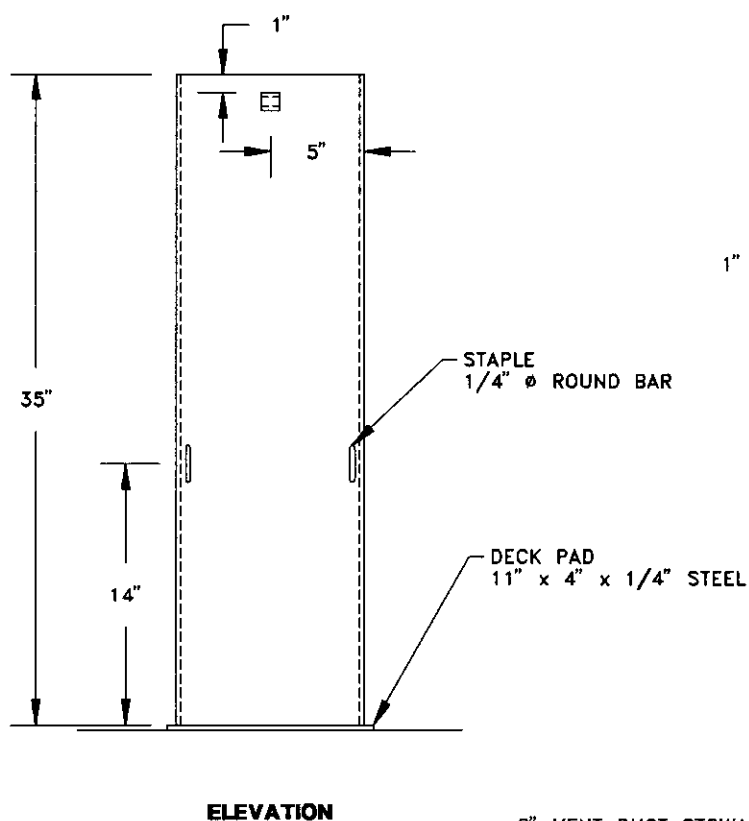
VENT HOSE STOWAGE (BHD MOUNTED)



DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 095
VENT HOSE STOWAGE, BHD MOUNTED (VERTICAL)
VERSION 1



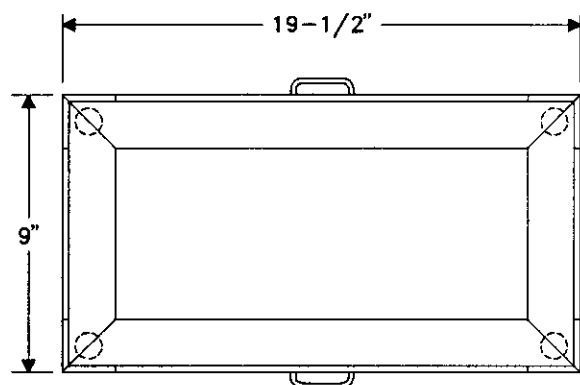
NOTE:
QUICK RELEASE RUBBER STRAP
(1" x 1/4"), IS NOT SHOWN
FOR CLARITY.



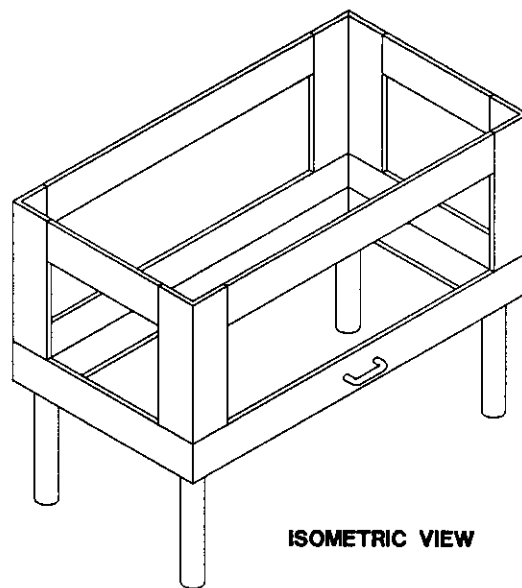
8" VENT DUCT STOWAGE
(SINGLE STOWAGE SHOWN)

DOUBLE STOWAGE IS SIMILAR, EXCEPT
2X WIDTH, WITH 2 HOOKS, CENTER GUSSET
AND ONE QUICK RELEASE STRAP

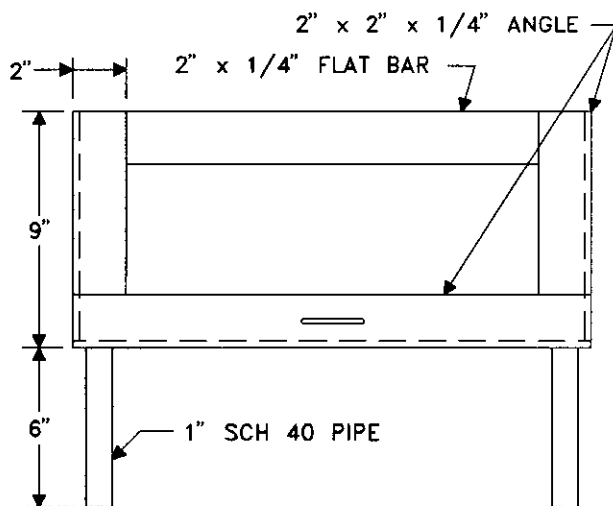
DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 096 **VENT HOSE STOWAGE (VERTICAL)** **VERSION 2**



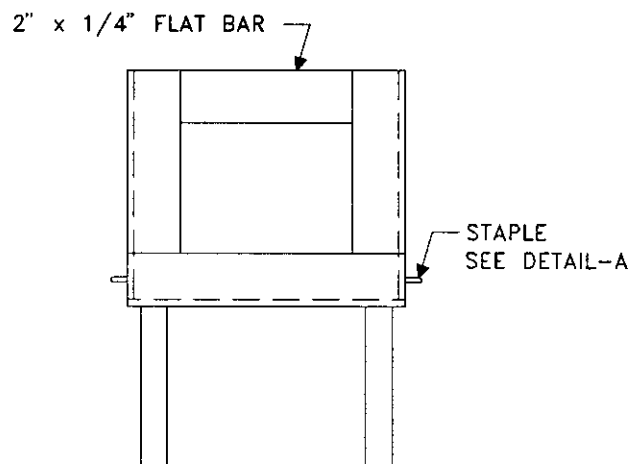
PLAN



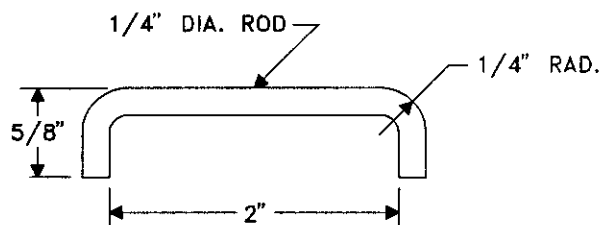
ISOMETRIC VIEW



ELEVATION



SIDE VIEW



DETAIL A

DAMAGE CONTROL EQUIPMENT STOWAGE SKETCH # 097

WELDING MACHINE STOWAGE RACK

**STOWAGE AID BOOKLET
FOR
DAMAGE CONTROL EQUIPMENT**

RECOMMENDATION/SUGGESTION FORM

In the interest of continually improving the damage control equipment, we would like to receive your suggestions for making this document a more effective tool for Navy personnel. To ensure that your suggestions are processed quickly and fully, please forward each recommendation on a separate form, with the requested information filled out on each. The recommendations will be reviewed and presented annually at the CNO's DC/FF Working Group. Thank you for your time and effort in helping us improve damage control equipment.

ORIGINATOR INFORMATION

Name: _____

Rank/Grade: _____

Ship/Station: _____

Address: _____

Daytime Phone Number: _____

Date: _____

RECOMMENDATION/SUGGESTION

What is the latest change incorporated into your Stowage Aid Booklet For DC Equipment? ____

Does this suggestion pertain to incorrect information currently contained in the Stowage Aid Booklet For DC Equipment? (Y/N)

If yes, what page(s) and paragraph(s) contain the error?

Recommendation/Suggestion: _____

NAVSEA Reviewer Information

Serial # _____

Date _____

Presented ____

Accepted ____

Rejected ____

Incorporated (Y/N) ____

Change # ____